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United States Environmental Protection Agency  
Region 4



**35<sup>TH</sup> AVENUE REMOVAL INVESTIGATION  
BIRMINGHAM, ALABAMA  
JEFF CROWLEY, ON-SCENE COORDINATOR**

**FIELD SAMPLING LOGBOOK**

Book 1 of 1

Inclusive Dates: 6/3/2013 - 6/7/2013

List of Sampling Team in logbook:

Name	Initials	Organization/Duties
(b) (6)	<u>DC</u>	<u>OTIE</u> , Team Leader
	<u>RS</u>	<u>OTIE</u>

## **Sampling Procedures and Methodology**

Unless specified elsewhere in this logbook, all soil samples will be collected in accordance with the EPA Science and Ecosystem Division (SESD) Field Branches Quality System and Technical Procedures (FBQSTP) Soil Sampling (SESDPROC-300-R2) based on the following design.

The total number of 5-point composite surface soil samples (0-4 inches below ground surface) to be collected from each property will be based on the lot size as follows:

- For residential properties with a total parcel lot size equal to or less than ( $\leq$ ) 5,000 square feet - the front yard and back yards of each property. If the property has a substantial side yard (primarily corner lots), then one composite soil sample may also be collected from the side yard. Aliquots will be collected away from influences with drip lines and burn areas in a five dice configuration (each of the four corners and the center).
- For residential properties with a total parcel lot size greater than ( $>$ ) 5,000 square feet and  $\leq \frac{1}{4}$ -acre - the property should be divided into two roughly equal surface areas. If the property has a substantial side yard (primarily corner lots), then one composite soil sample may be collected from the side yard with the remainder of the property being divided into two roughly equal surface areas. Aliquots will be collected away from influences including drip lines and burn areas with reasonably equal spacing between aliquots.
- Residential properties over  $\frac{1}{4}$ -acre in parcel lot size will be divided into  $\frac{1}{4}$ -acre sections. When dividing any such property with a substantial side yard (primarily corner lots), one composite soil sample may be collected from the side yard. Aliquots will be collected away from influences including drip lines and burn areas in a five dice configuration, if possible, with reasonably equal spacing between aliquots.

Grab surface soil samples will be collected from apparent exposure pathways where active play sets are located.

Three-point composite surface soil samples will be collected from distinct vegetable gardens from each residential property.

Samples shall not be collected under paved areas or under stationary fixed structures.

Grab sediment samples will be collected in accordance with EPA SESD FBSTP Sediment Sampling (SESDPROC-200-R2) from any surface water drainage pathways located on individual properties, as directed by the OSC, and in and along the banks of the 34<sup>th</sup> Street North Ditch.

Each surface soil or sediment sample should be homogenized in a stainless steel bowl. One 8-ounce jar will be filled and the remaining sample material will be placed in zip-top bags for screening. Information identifying the location, sample, and date/time will be inscribed on each jar and zip-top bag.

All sample bags will be screened for metals in accordance with SESD FBQSTP Field XRF Measurement (SESDPROC-107-R2) using a Niton XRF. The sample will be dried before sieving or analysis is performed. Once the sample has dried, the sample will be divided into two subsamples; one subsample will be sieved through a #10 screen (2 mm) and the other will be left unsieved. Once separated into sieved and unsieved samples, the zip-top bag will be compressed by folding over the excess plastic and removing as much air and space from the sample as possible. The XRF will be placed directly on the exterior of the compressed sample in the plastic zip-top bag to measure metals concentrations. Following XRF screening, the unsieved portion of the sample material will be containerized into one 8-ounce jars and the sieved portion of the sample will be containerized into another 8-ounce jar.

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Based on the site DQOs the 8-ounce jars of surface soil and sediment samples should be submitted to PEL, Tampa, Florida (a NELAC certified laboratory) for low level PAH, and/or TCL SVOC, RCRA metals, PCB, and/or Hexavalent Chromium analysis. RCRA metals will be analyzed from both the sieved and unsieved portions of the sample. All other analysis will be conducted on the unsieved portion.

The location of each aliquot will also be logged in accordance with SESD FBQSTP Global Positioning System (SESDPROC- 110-R3) using a Trimble GPS.

A description of the color and texture of the aliquot material will be recorded in each box.

The **station ID** for each location will consist of seven characters, beginning with the six digit Property ID designation for the property followed by a alphabetic letter beginning with “A”.

e.g. CV0001A would be the station ID for the front yard 5-pt composite sample collected at the property with Property ID CV0001.

The **sample ID** for each sample is the station ID with “CS” (composite soil), “GS” (grab soil), “SD” (sediment), or “SW” (surface water) appended, therefore, the sample ID for this sample would be CV0001A-CS. Co-located duplicates will be designated by appending a “D” to the end of the sample ID. Pan splits will be identified by appending an “SP” to the end of the sample ID.

(b) (6)

ADDRESS: 61313

PROPERTY ID: EV0435

DATE: 6/3/13

ARRIVAL TIME: 1305

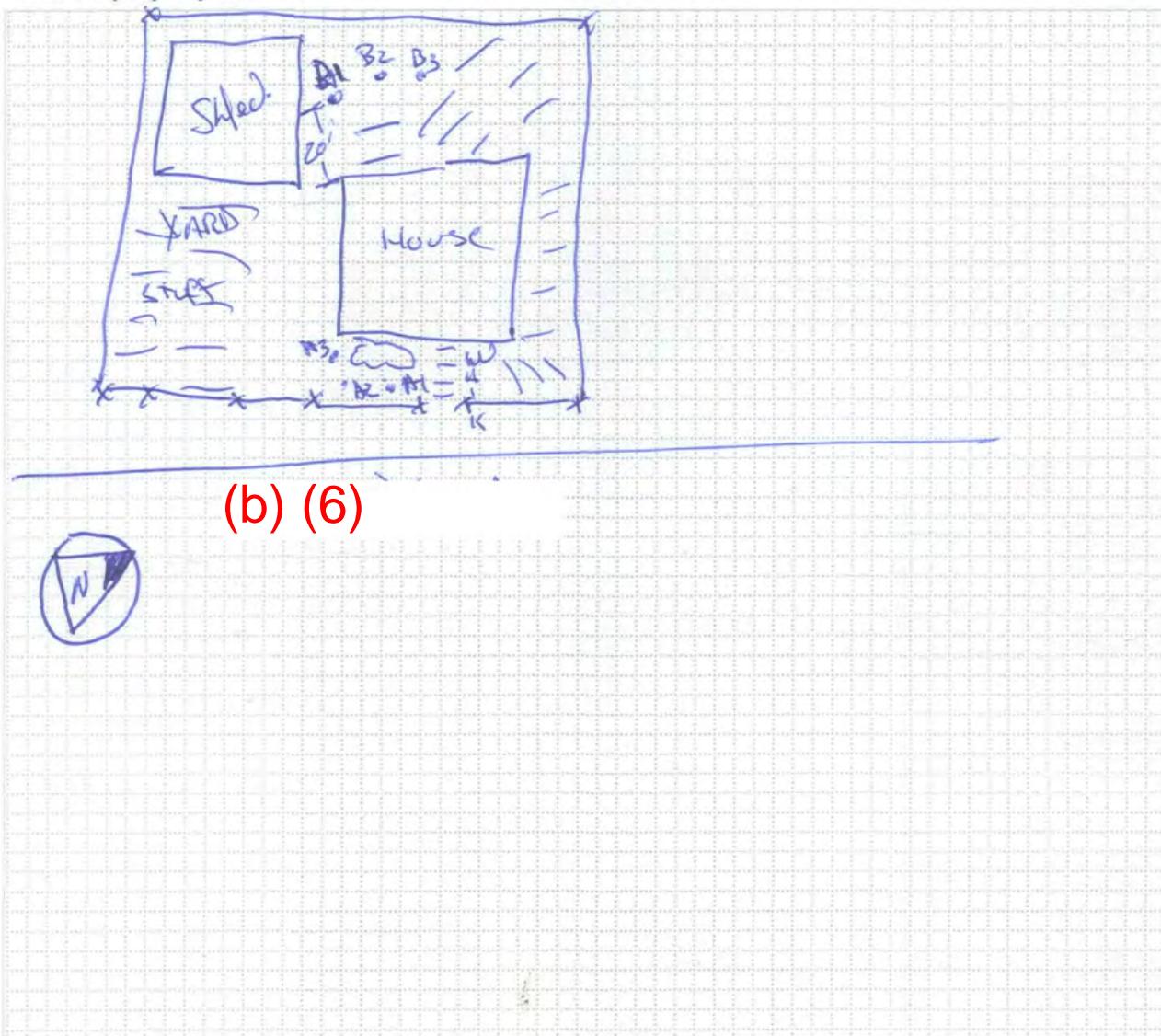
Other pertinent information (weather conditions, etc.):

82° overcast

PROPERTY COMMENTS:

Parcel has lots of yard decorations

Grid for property sketch



(b) (6)

STATION ID: CV0435SAMPLE ID: CV0435A-CS-5SAMPLE COLLECTION TIME: 1335

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front By DriveCollection: Composite or GrabMS/MSD? Y or NField Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0435A-CS-5

GPS Coordinates:	Trimble <input checked="" type="checkbox"/> Instrument #:	<u>020168</u>	Logged?	Y or N
Aliquot #1:	Latitude:	<u>33,56037769</u>	N Longitude	<u>86,80113063</u> W
	Media description:	<u>Brown silt Clay + Coal &amp; gravel</u>		
Aliquot #2	Latitude:	<u>33,56039426</u>	N Longitude	<u>86,80114680</u> W
	Media description:	<u>Same A1</u>		
Aliquot #3:	Latitude:	<u>33,56041021</u>	N Longitude	<u>86,80113366</u> W
	Media description:	<u>Same A1</u>		
Aliquot #4:	Latitude:		N Longitude	W
	Media description:	<u>(SP)</u>		
Aliquot #5:	Latitude:		N Longitude	W
	Media description:	<u>6/3/13</u>		

STATION ID: CV0435SAMPLE ID: CV0435 B-CSSAMPLE COLLECTION TIME: 1335

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back of ParcelCollection: Composite or GrabMS/MSD? Y or NField Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0435 B-CS-5

GPS Coordinates:	Trimble <input checked="" type="checkbox"/> Instrument #:	<u>020168</u>	Logged?	Y or N
Aliquot #1:	Latitude:	<u>33,56051442</u>	N Longitude	<u>86,80105094</u> W
	Media description:	<u>Brown silt Clay + Coal &amp; gravel</u>		
Aliquot #2	Latitude:	<u>33,56050702</u>	N Longitude	<u>86,80102371</u> W
	Media description:	<u>Same as B1</u>		
Aliquot #3:	Latitude:	<u>33,56049496</u>	N Longitude	<u>86,80098111</u> W
	Media description:	<u>Same as B1</u>		
Aliquot #4:	Latitude:		N Longitude	W
	Media description:	<u>(SP)</u>		
Aliquot #5:	Latitude:		N Longitude	W
	Media description:	<u>6/3/13</u>		

(b) (6)

ADDRESS: \_\_\_\_\_ PROPERTY ID: CV0690

DATE: 6/3/13 ARRIVAL TIME: 1350 1350

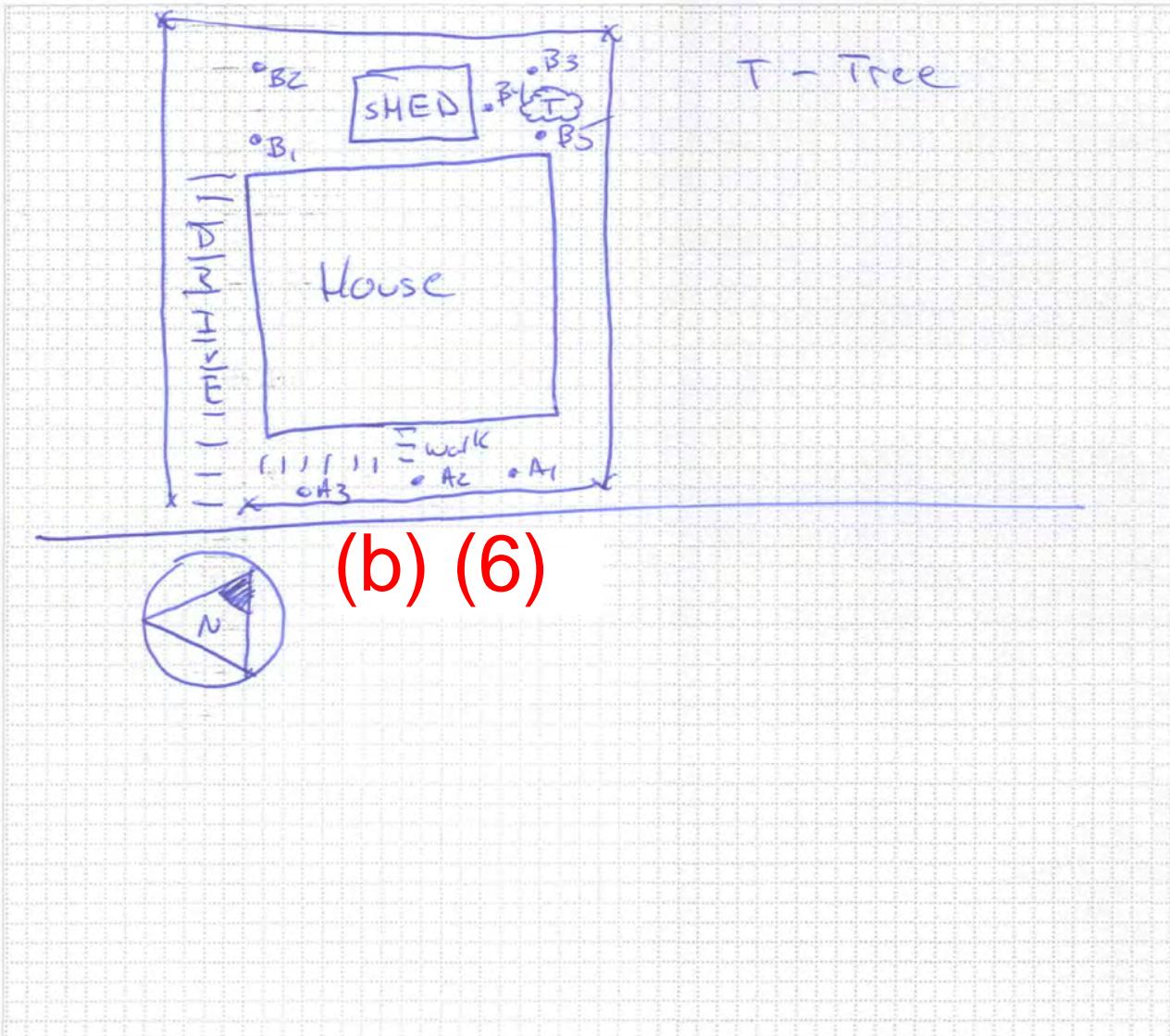
Other pertinent information (weather conditions, etc.):

83° sunny

PROPERTY COMMENTS:

House covers most of Parcel

Grid for property sketch -



STATION ID: CV0690 SAMPLE ID: CV0690A-CS-SP

SAMPLE COLLECTION TIME: 1355

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0690A-CS-SP

GPS Coordinates:	Trimble <input checked="" type="checkbox"/>	Instrument #:	020168	Logged?	Y or N
Aliquot #1:	Latitude:	33.55919151	N Longitude	86.80247803	W
	Media description:	Brown silt clay			
Aliquot #2:	Latitude:	33.55921602	N Longitude	86.80245353	W
	Media description:	Same A1			
Aliquot #3:	Latitude:	33.5592451	N Longitude	86.80243632	W
	Media description:	Same A1			
Aliquot #4:	Latitude:		N Longitude		W
	Media description:	(DR)			
Aliquot #5:	Latitude:	06/03/13	N Longitude		W
	Media description:				

STATION ID: CV0690 SAMPLE ID: CV0690B-CS-SP

SAMPLE COLLECTION TIME: 1405

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back yard.

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0690B-CS-SP

GPS Coordinates:	Trimble <input checked="" type="checkbox"/>	Instrument #:	020168	Logged?	Y or N
Aliquot #1:	Latitude:	CV0690 33.5590940	N Longitude	86.80215515	W
	Media description:	Brown silt sandy soil w/ white material			
Aliquot #2:	Latitude:	33.55904850	N Longitude	86.8029831	W
	Media description:	Same B1			
Aliquot #3:	Latitude:	33.55899264	N Longitude	86.80216621	W
	Media description:	Same B1			
Aliquot #4:	Latitude:	33.55902373	N Longitude	86.80219095	W
	Media description:	Same B1			
Aliquot #5:	Latitude:	33.55903831	N Longitude	86.80222107	W
	Media description:	Same B1			

**(b) (6)**

ADDRESS:

PROPERTY ID: CV0679

DATE: 6/3/13

ARRIVAL TIME: 08:14Z

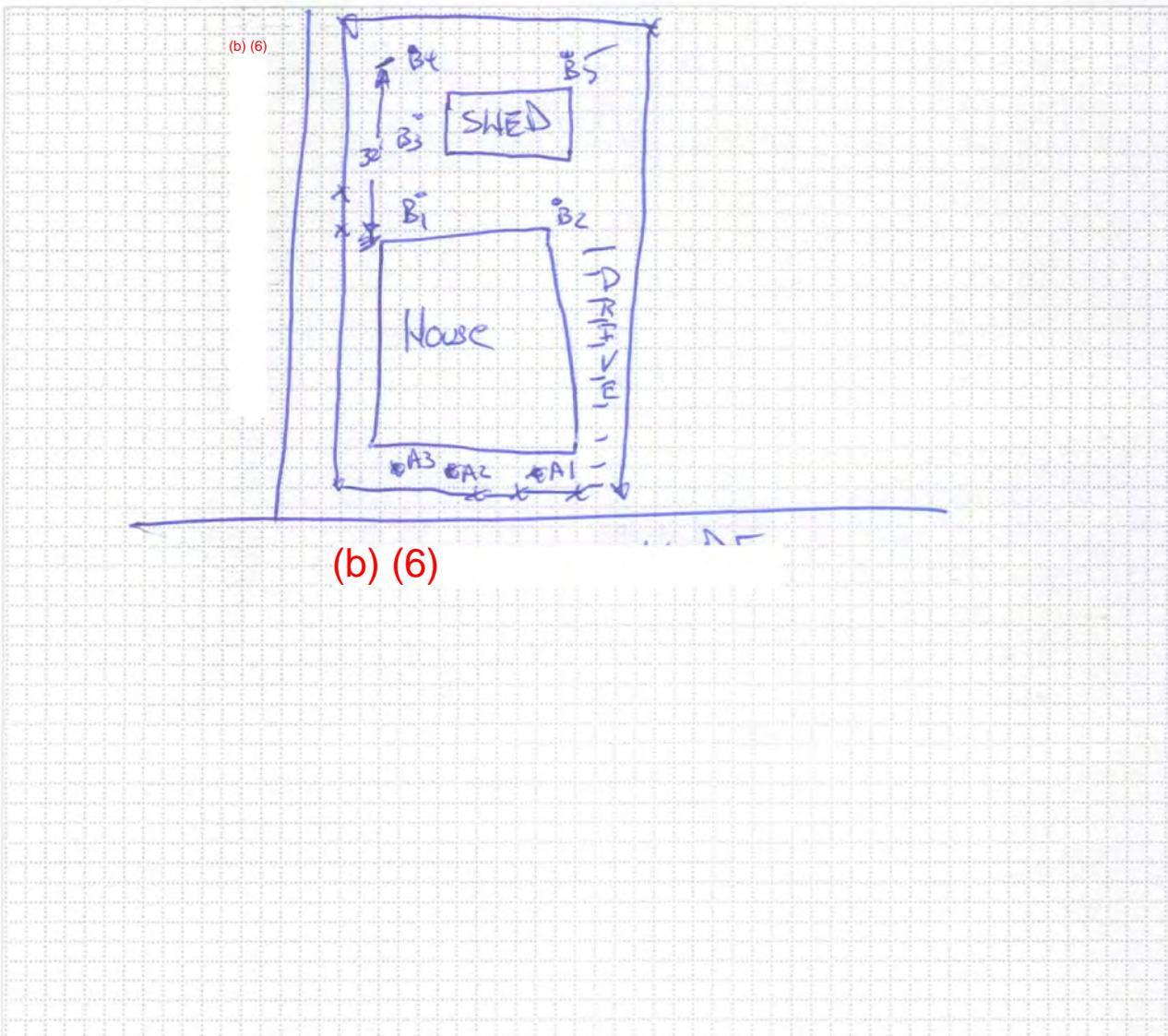
Other pertinent information (weather conditions, etc.):

83° sunny

PROPERTY COMMENTS:

Corner Parcel

Grid for property sketch



STATION ID: CV0679 SAMPLE ID: CV0679A-CS-SP

SAMPLE COLLECTION TIME: 1440

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):  
Front yard)

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0679A-CS-SP

GPS Coordinates:	Trimble [✓] Instrument #:	020168	Logged?	Y or N
Aliquot #1:	Latitude:	33.56171965	N Longitude	86.7986012 W
	Media description:	Brown/Dark sity clay		
Aliquot #2:	Latitude:	33.5618304	N Longitude	86.79863364 W
	Media description:	Same A1		
Aliquot #3:	Latitude:	33.56167885	N Longitude	86.79866383 W
	Media description:	Same A1		
Aliquot #4:	Latitude:		N Longitude	W
	Media description:			
Aliquot #5:	Latitude:		N Longitude	W
	Media description:	06/3/13		

STATION ID: CV0679 SAMPLE ID: CV0679B-CS-SP

SAMPLE COLLECTION TIME: 1450

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):  
Back yard).

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0679B-CS-SP

GPS Coordinates:	Trimble [✓] Instrument #:	020168	Logged?	Y or N
Aliquot #1:	Latitude:	33.56177447	N Longitude	86.79879668 W
	Media description:	Brown/Dark sity clay		
Aliquot #2:	Latitude:	33.56182412	N Longitude	86.79871810 W
	Media description:	Same B1		
Aliquot #3:	Latitude:	33.56182868	N Longitude	86.79878942 W
	Media description:	Same B1		
Aliquot #4:	Latitude:	33.56183068	N Longitude	86.79888682 W
	Media description:	Same B1		
Aliquot #5:	Latitude:	33.56188001	N Longitude	86.79884839 W
	Media description:	Same B1 + coal		

(b) (6)

ADDRESS:

PROPERTY ID: CV0492

DATE: 6/4/13

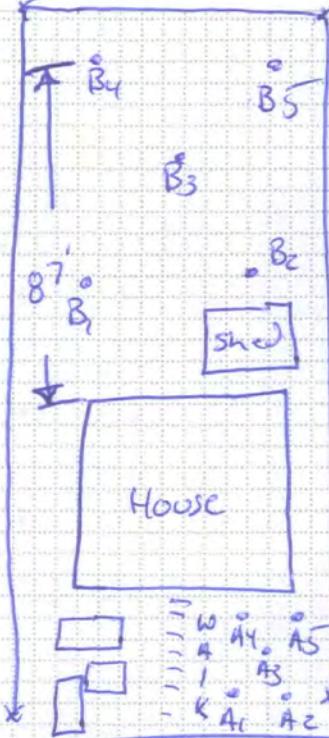
ARRIVAL TIME: 810

Other pertinent information (weather conditions, etc.):

77° sunny

PROPERTY COMMENTS:

Grid for property sketch



(b) (6)

- vehicle

STATION ID: CV0492

SAMPLE ID: CV0492A-CS-SP

SAMPLE COLLECTION TIME: 0825

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front yard

Collection: Composite or GrabMS/MSD? Y or NField Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0492A-CS-SPGPS Coordinates: Trimble  Instrument #: 020168

Logged? Y or N

Aliquot #1: Latitude: 33.56017227 N Longitude 86.80256938 W

Media description: Brown silty clay w/gravel

Aliquot #2 Latitude: 33.56022517 N Longitude 86.80258418 W

Media description: SAME A1

Aliquot #3: Latitude: 33.56019256 N Longitude 86.80262305 W

Media description: SAME A1

Aliquot #4: Latitude: 33.56016273 N Longitude 86.8026464 W

Media description: SAME A1

Aliquot #5: Latitude: 33.56019417 N Longitude 86.80266598 W

Media description: SAME A1

STATION ID: CV0492

SAMPLE ID: CV0492B-CS-SP

SAMPLE COLLECTION TIME: 0835

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back yard

Collection: Composite or GrabMS/MSD? Y or NField Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0497B-CS-SPGPS Coordinates: Trimble  Instrument #: 020168

Logged? Y or N

Aliquot #1: Latitude: 33.56004820 N Longitude 86.80278994 W

Media description: Brown s. Ity Clay w/gravel

Aliquot #2 Latitude: 33.56013904 N Longitude 86.80284749 W

Media description: SAME B1

Aliquot #3: Latitude: 33.56007475 N Longitude 86.80289280 W

Media description: SAME B1

Aliquot #4: Latitude: 33.56002338 N Longitude 86.80293024 W

Media description: SAME B1

Aliquot #5: Latitude: 33.56008066 N Longitude 86.80297046 W

Media description: SAME B1

(b) (6)

ADDRESS: \_\_\_\_\_ PROPERTY ID: CV0709

DATE: 6/84/13 ARRIVAL TIME: 0930

Other pertinent information (weather conditions, etc.):

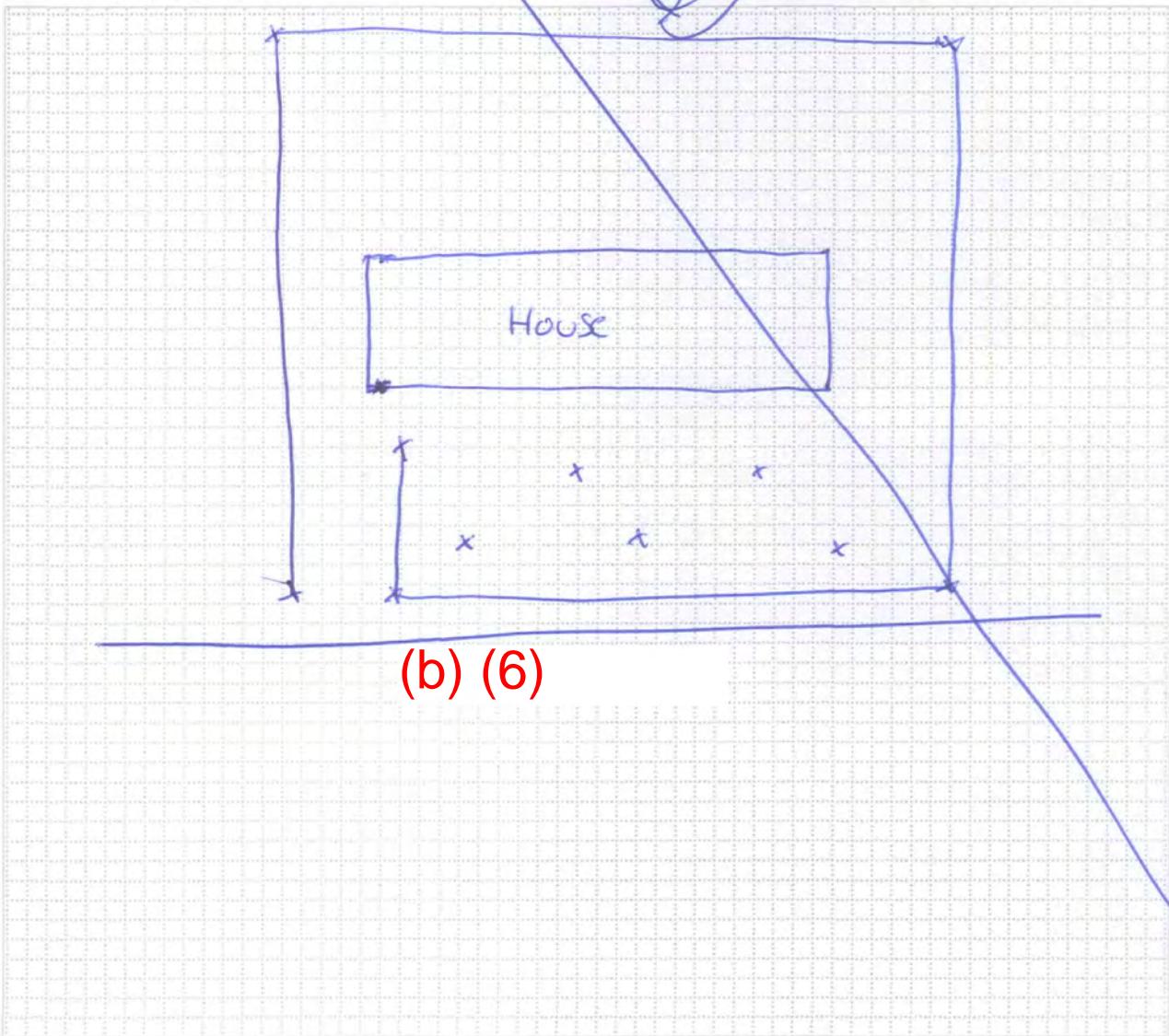
81°

PROPERTY COMMENTS:

*Refused  
Sampling*



Grid for property sketch



~~STATION ID:~~ \_\_\_\_\_ ~~SAMPLE ID:~~ \_\_\_\_\_

~~SAMPLE COLLECTION TIME:~~ \_\_\_\_\_

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):  
\_\_\_\_\_

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: \_\_\_\_\_

GPS Coordinates: Trimble [ ]	Instrument #:	Logged? Y or N
Aliquot #1: Latitude:	N Longitude	W
Media description:		
Aliquot #2 Latitude:	N Longitude	W
Media description:		
Aliquot #3: Latitude:	N Longitude	W
Media description:		
Aliquot #4: Latitude:	N Longitude	W
Media description:		
Aliquot #5: Latitude:	N Longitude	W
Media description:		

6/4/13

~~STATION ID:~~ \_\_\_\_\_ ~~SAMPLE ID:~~ \_\_\_\_\_

~~SAMPLE COLLECTION TIME:~~ \_\_\_\_\_

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):  
\_\_\_\_\_

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: \_\_\_\_\_

GPS Coordinates: Trimble [ ]	Instrument #:	Logged? Y or N
Aliquot #1: Latitude:	N Longitude	W
Media description:		
Aliquot #2 Latitude:	N Longitude	W
Media description:		
Aliquot #3: Latitude:	N Longitude	W
Media description:		
Aliquot #4: Latitude:	N Longitude	W
Media description:		
Aliquot #5: Latitude:	N Longitude	W
Media description:		

(b) (6)

ADDRESS:

PROPERTY ID: CU0710

DATE: 6/4/13

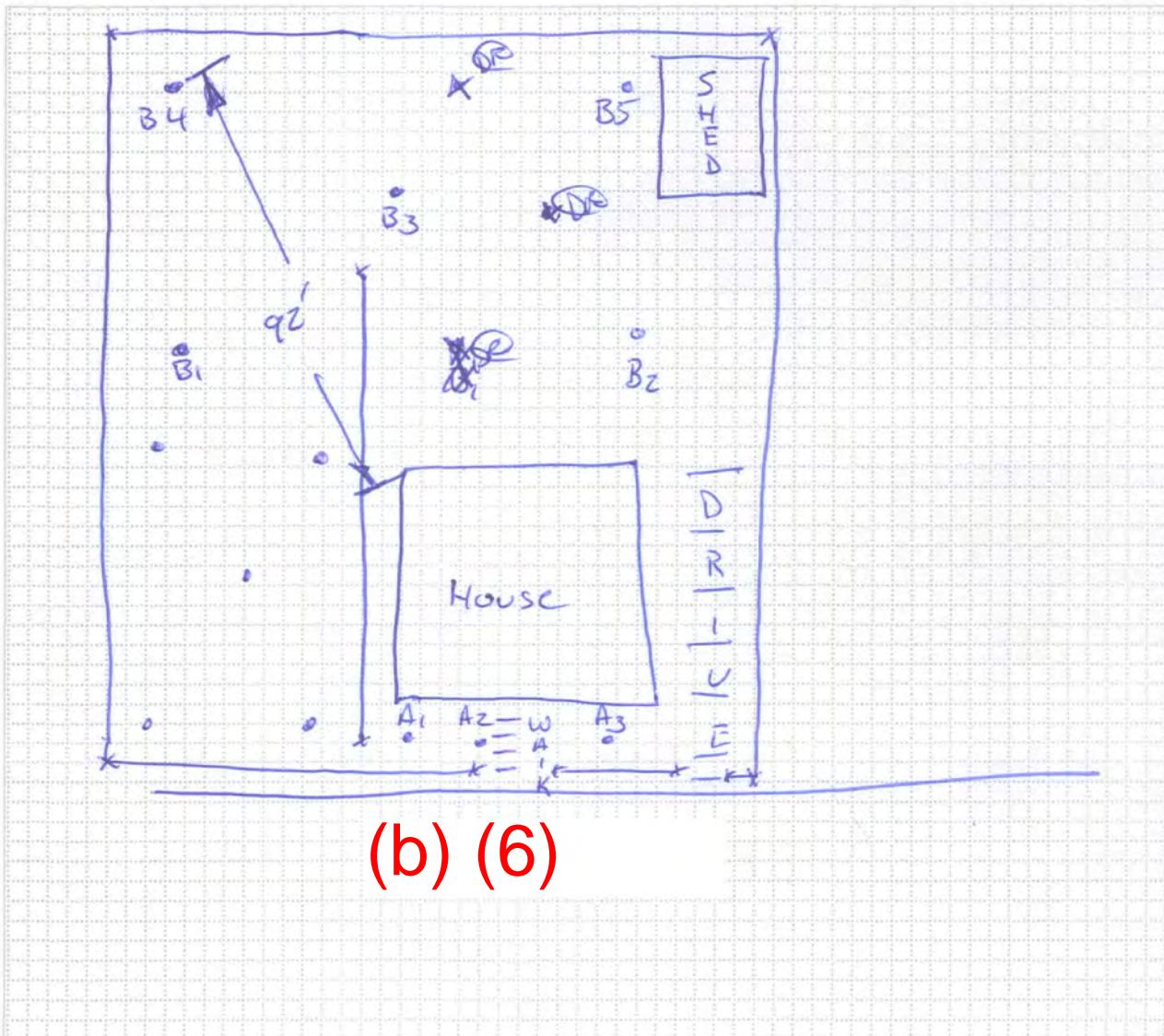
ARRIVAL TIME: 1000

Other pertinent information (weather conditions, etc.):

81° sunny

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV0710 SAMPLE ID: CV0710A-CS-SP

SAMPLE COLLECTION TIME: 10:00 10/10

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front yard.

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0710A-CS-SP

GPS Coordinates: Trimble [✓] Instrument #: 020168

Logged? Y or N

Aliquot #1: Latitude: 33.56141494 N Longitude 86.80007351 W

Media description: Brown silty sand.

Aliquot #2 Latitude: 33.56138405 N Longitude 86.80010621 W

Media description: Brown silty sand

Aliquot #3: Latitude: 33.56134550 N Longitude 86.80014667 W

Media description: Same A1

Aliquot #4: Latitude: 33.56134550 N Longitude 86.80014667 W

Media description:

Aliquot #5: Latitude: 33.56134550 N Longitude 86.80014667 W

Media description:

STATION ID: CV0710 SAMPLE ID: CV0710B-CS-SP

SAMPLE COLLECTION TIME: 10:00 10/10

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back yard.

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0710B-CS-SP

GPS Coordinates: Trimble [✓] Instrument #: 020168 Logged? Y or N

Aliquot #1: Latitude: 33.56134444 N Longitude 86.79978425 W

Media description: Brown silty clay

Aliquot #2 Latitude: 33.56120501 N Longitude 86.79992817 W

Media description: Brown silty clay

Aliquot #3: Latitude: 33.56124406 N Longitude 86.79981628 W

Media description: Brown silty clay

Aliquot #4: Latitude: 33.56126936 N Longitude 86.79970040 W

Media description: Brown silty clay

Aliquot #5: Latitude: 33.56126936 N Longitude 86.79983235 W

Media description: Brown silty clay

ADDRESS: Cont

PROPERTY ID: CW0710

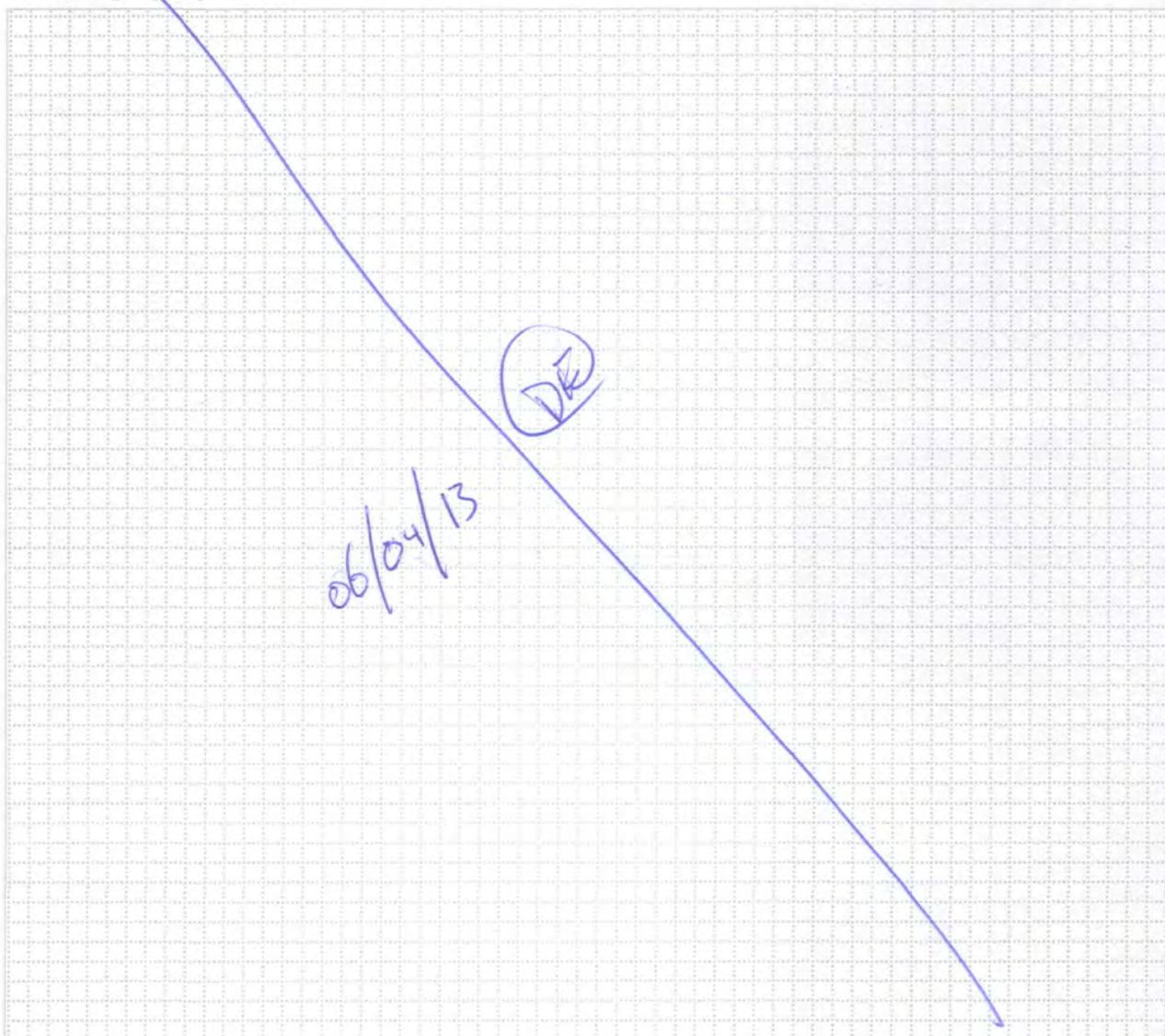
DATE: 6/4/13

ARRIVAL TIME: \_\_\_\_\_

Other pertinent information (weather conditions, etc.):  
\_\_\_\_\_  
\_\_\_\_\_

PROPERTY COMMENTS:  
\_\_\_\_\_  
\_\_\_\_\_

Grid for property sketch



STATION ID: CVO710SAMPLE ID: CVO710C-CS-SPSAMPLE COLLECTION TIME: 1030 1020

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

SIDE YARD.Collection: Composite or GrabMS/MSD? Y or NField Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CVO710C-CS-SPGPS Coordinates: Trimble  Instrument #: 020168

Logged? Y or N

Aliquot #1: Latitude: 33.56142141 N Longitude 86.80002922 WMedia description: Brown silty ClayAliquot #2 Latitude: 33.56149994 N Longitude 86.79995000 WMedia description: SAME C1Aliquot #3: Latitude: 33.56141610 N Longitude 86.79993383 WMedia description: SAME C1Aliquot #4: Latitude: 33.56139446 N Longitude 86.79982024 WMedia description: SAME C1Aliquot #5: Latitude: 33.56132406 N Longitude 86.79990026 WMedia description: SAME C1

STATION ID: \_\_\_\_\_ SAMPLE ID: \_\_\_\_\_

SAMPLE COLLECTION TIME: \_\_\_\_\_

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: \_\_\_\_\_

GPS Coordinates: Trimble  Instrument #: 020168 Logged? Y or NAliquot #1: Latitude: 06/14/13 N Longitude \_\_\_\_\_ W

Media description: \_\_\_\_\_

Aliquot #2 Latitude: \_\_\_\_\_ N Longitude \_\_\_\_\_ W

Media description: \_\_\_\_\_

Aliquot #3: Latitude: \_\_\_\_\_ N Longitude \_\_\_\_\_ W

Media description: \_\_\_\_\_

Aliquot #4: Latitude: \_\_\_\_\_ N Longitude \_\_\_\_\_ W

Media description: \_\_\_\_\_

Aliquot #5: Latitude: \_\_\_\_\_ N Longitude \_\_\_\_\_ W

Media description: \_\_\_\_\_

(b) (6)

ADDRESS:

PROPERTY ID: CV0625

DATE: 6/4/13

ARRIVAL TIME: 1210

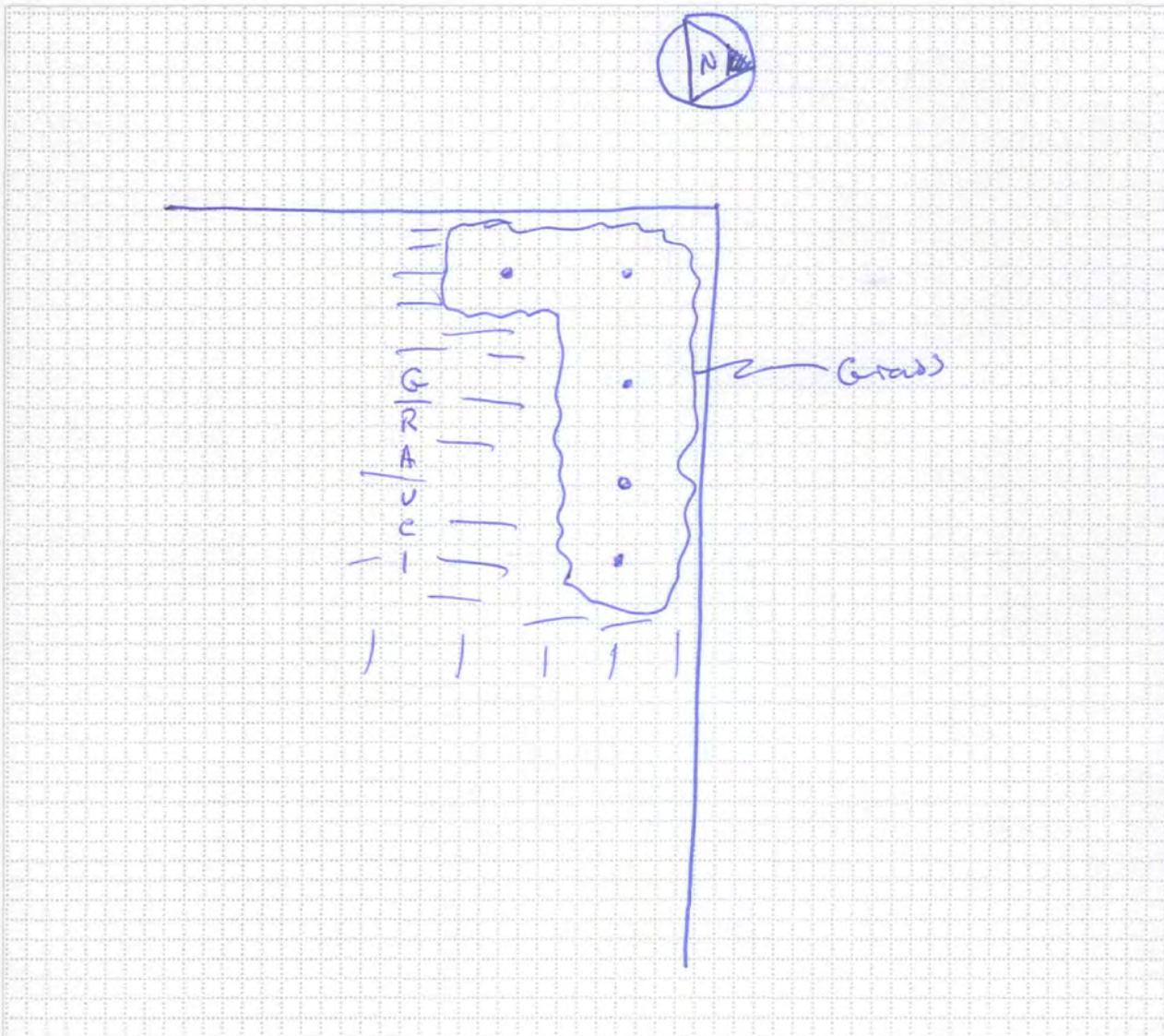
Other pertinent information (weather conditions, etc.):

87° sunny

PROPERTY COMMENTS:

Empty Parcel

Grid for property sketch



STATION ID: CV0625ASAMPLE ID: CV0625A-CS-SPSAMPLE COLLECTION TIME: 1220

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Empty ParcelCollection: Composite or GrabMS/MSD? Y or NField Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0625

GPS Coordinates:	Trimble <input checked="" type="checkbox"/>	Instrument #:	<u>020168</u>	Logged?	Y or N
Aliquot #1:	Latitude:	<u>33.55731362</u>	N Longitude	<u>86.80315382</u>	W
	Media description:	<u>Dark Brown Sandy soil + gravel + clay</u>			
Aliquot #2	Latitude:	<u>33.55733010</u>	N Longitude	<u>86.80312362</u>	W
	Media description:	<u>Same A1</u>			
Aliquot #3:	Latitude:	<u>33.55730277</u>	N Longitude	<u>86.80310285</u>	W
	Media description:	<u>Same A1</u>			
Aliquot #4:	Latitude:	<u>33.55727918</u>	N Longitude	<u>86.80308234</u>	W
	Media description:	<u>Same A1</u>			
Aliquot #5:	Latitude:	<u>33.55724277</u>	N Longitude	<u>86.80305882</u>	W
	Media description:	<u>Same A1</u>			

STATION ID: CV0625 DPSAMPLE ID: CV0625P CDE

SAMPLE COLLECTION TIME: \_\_\_\_\_

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split:	Yes or No If yes, indicate Duplicate/split sample station ID:			
GPS Coordinates:	Trimble <input type="checkbox"/>	Instrument #:	<u>06/4/13</u>	Logged?
Aliquot #1:	Latitude:	<u>06/4/13</u>	N Longitude	W
	Media description:			
Aliquot #2:	Latitude:	<u>06/4/13</u>	N Longitude	W
	Media description:			
Aliquot #3:	Latitude:	<u>06/4/13</u>	N Longitude	W
	Media description:			
Aliquot #4:	Latitude:	<u>06/4/13</u>	N Longitude	W
	Media description:			
Aliquot #5:	Latitude:	<u>06/4/13</u>	N Longitude	W
	Media description:			

(b) (6)

ADDRESS: \_\_\_\_\_ PROPERTY ID: CV0622

DATE: 6/4/13 ARRIVAL TIME: 1230

Other pertinent information (weather conditions, etc.):

87° sunny

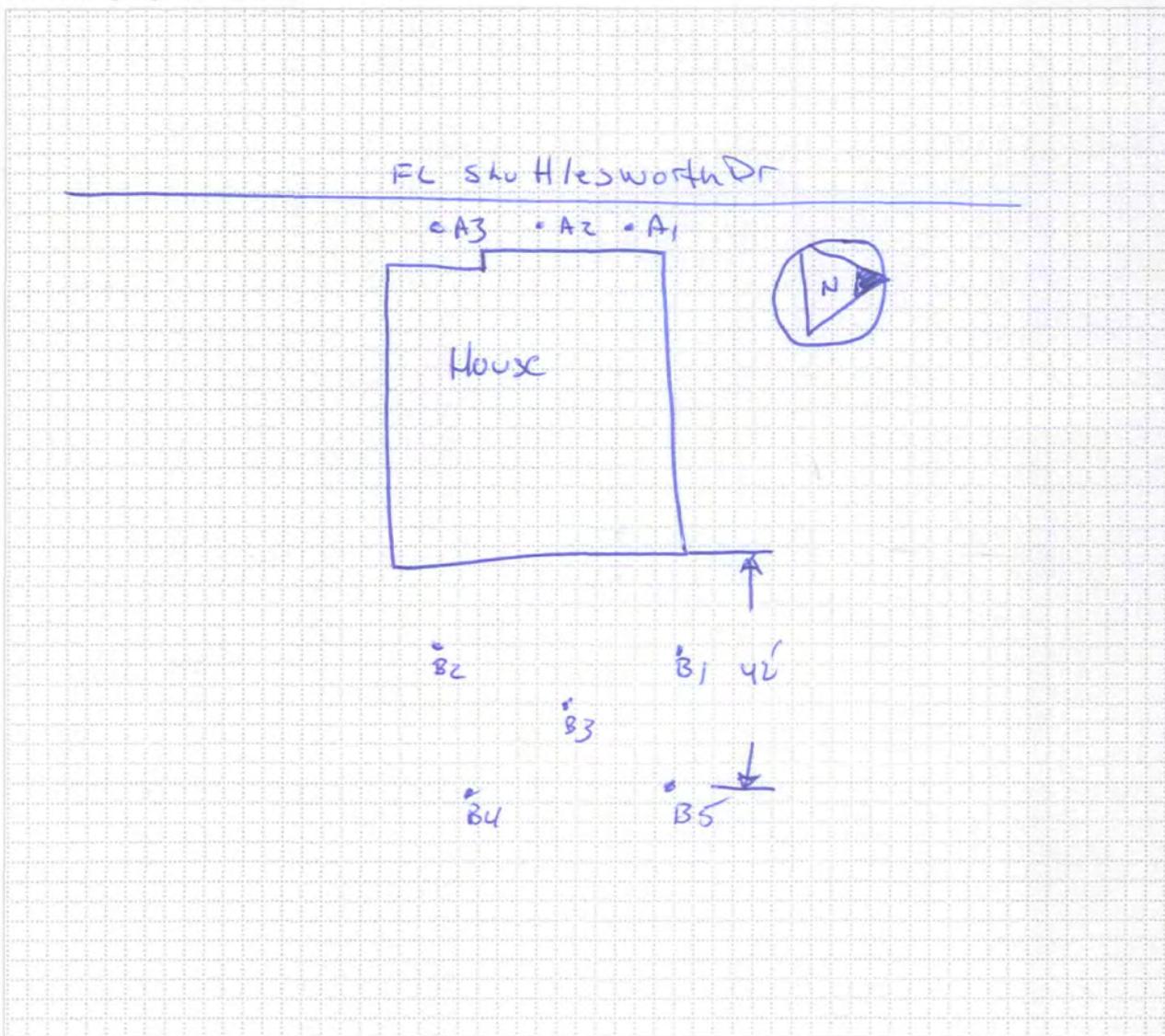
PROPERTY COMMENTS:

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Grid for property sketch



STATION ID: CV0622

SAMPLE ID: CV0622A-CS-SF

SAMPLE COLLECTION TIME: 1235

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0622A-CS-SF

GPS Coordinates: Trimble [✓] Instrument #: 020168

Logged? Y or N

Aliquot #1: Latitude: 33.55726393 N Longitude 86.80322080 W

Media description: Brown s.ity sand w/gavel

Aliquot #2 Latitude: 33.55723913 N Longitude 86.80326171 W

Media description: Same A1

Aliquot #3: Latitude: 33.55721231 N Longitude 86.80329775 W

Media description: Same A1

Aliquot #4: Latitude: N Longitude

Media description:

Aliquot #5: Latitude: 06/4/13 N Longitude

Media description:

STATION ID: CV0622

SAMPLE ID: CV0622B-CS-SF

SAMPLE COLLECTION TIME: 1245

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0622B-CS-SF

GPS Coordinates: Trimble [✓] Instrument #: 020168

Logged? Y or N

Aliquot #1: Latitude: 33.55711558 N Longitude 86.80312768 W

Media description: Brown s.ity Sandy Clay w/gavel + slag

Aliquot #2: Latitude: 33.55708283 N Longitude 86.80321689 W

Media description: Same B1

Aliquot #3: Latitude: 33.55706669 N Longitude 86.80316751 W

Media description: Same B1

Aliquot #4: Latitude: 33.55706003 N Longitude 86.80313824 W

Media description: Same B1

Aliquot #5: Latitude: 33.55702042 N Longitude 86.80317151 W

Media description: Same B1

(b) (6)

ADDRESS: \_\_\_\_\_ PROPERTY ID: CV-0732

DATE: 6/4/13 ARRIVAL TIME: 1340

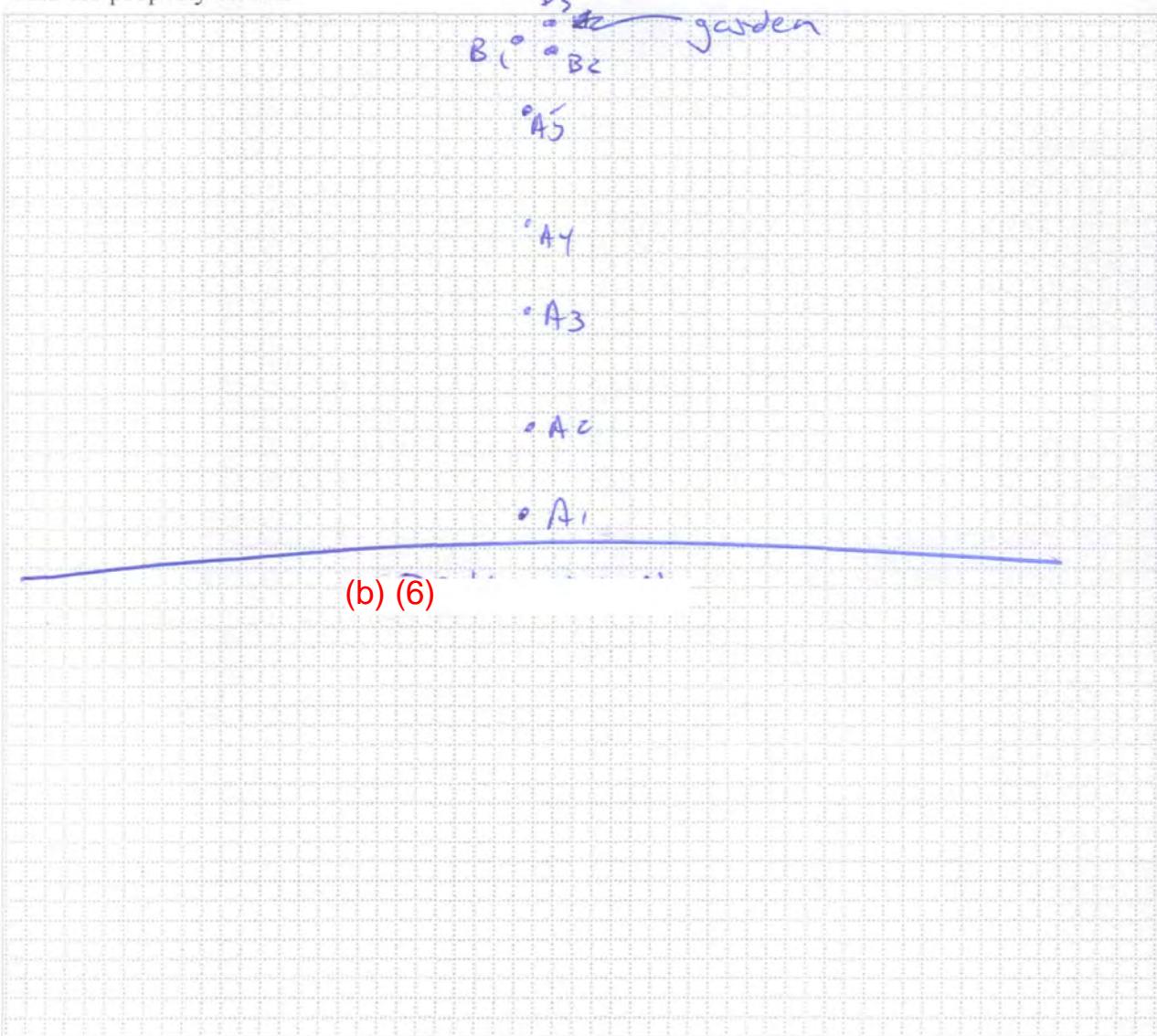
Other pertinent information (weather conditions, etc.):

89° Sunny

PROPERTY COMMENTS:

Empty Parcel

Grid for property sketch



STATION ID: CV0732

SAMPLE ID: CV0732A-CS-SP

SAMPLE COLLECTION TIME: 1350

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Empty Parcel

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0732A-CS-SP

GPS Coordinates: Trimble [✓] Instrument #: 020168

Logged? Y or N

Aliquot #1: Latitude: 33.55771660 N Longitude 86.80661458 W

Media description: Brown silty clay with gravel

Aliquot #2: Latitude: 33.55771771 N Longitude 86.80656485 W

Media description: Same A1

Aliquot #3: Latitude: 33.55771557 N Longitude 86.80652101 W

Media description: Same A1

Aliquot #4: Latitude: 33.55772477 N Longitude 86.80647803 W

Media description: Same A1

Aliquot #5: Latitude: 33.55772064 N Longitude 86.80640544 W

Media description: Same A1

STATION ID: CV0732

SAMPLE ID: CV0732B-CS-SP

SAMPLE COLLECTION TIME: 131400

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Vegetable garden

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0732B-CS-SP

GPS Coordinates: Trimble [✓] Instrument #: 020168 Logged? Y or N

Aliquot #1: Latitude: 33.55772829 N Longitude 86.80632232 W

Media description: Brown silty soil

Aliquot #2: Latitude: 33.55771562 N Longitude 86.80631327 W

Media description: Same B1

Aliquot #3: Latitude: 33.55771089 N Longitude 86.80630314 W

Media description: Same B1

Aliquot #4: Latitude: N Longitude W

Media description: DR

Aliquot #5: Latitude: N Longitude W

Media description: 06/04/13

(b) (6)

ADDRESS: \_\_\_\_\_ PROPERTY ID: CV0027

DATE: 6/4/13 ARRIVAL TIME: 1400

Other pertinent information (weather conditions, etc.):

89° sunny

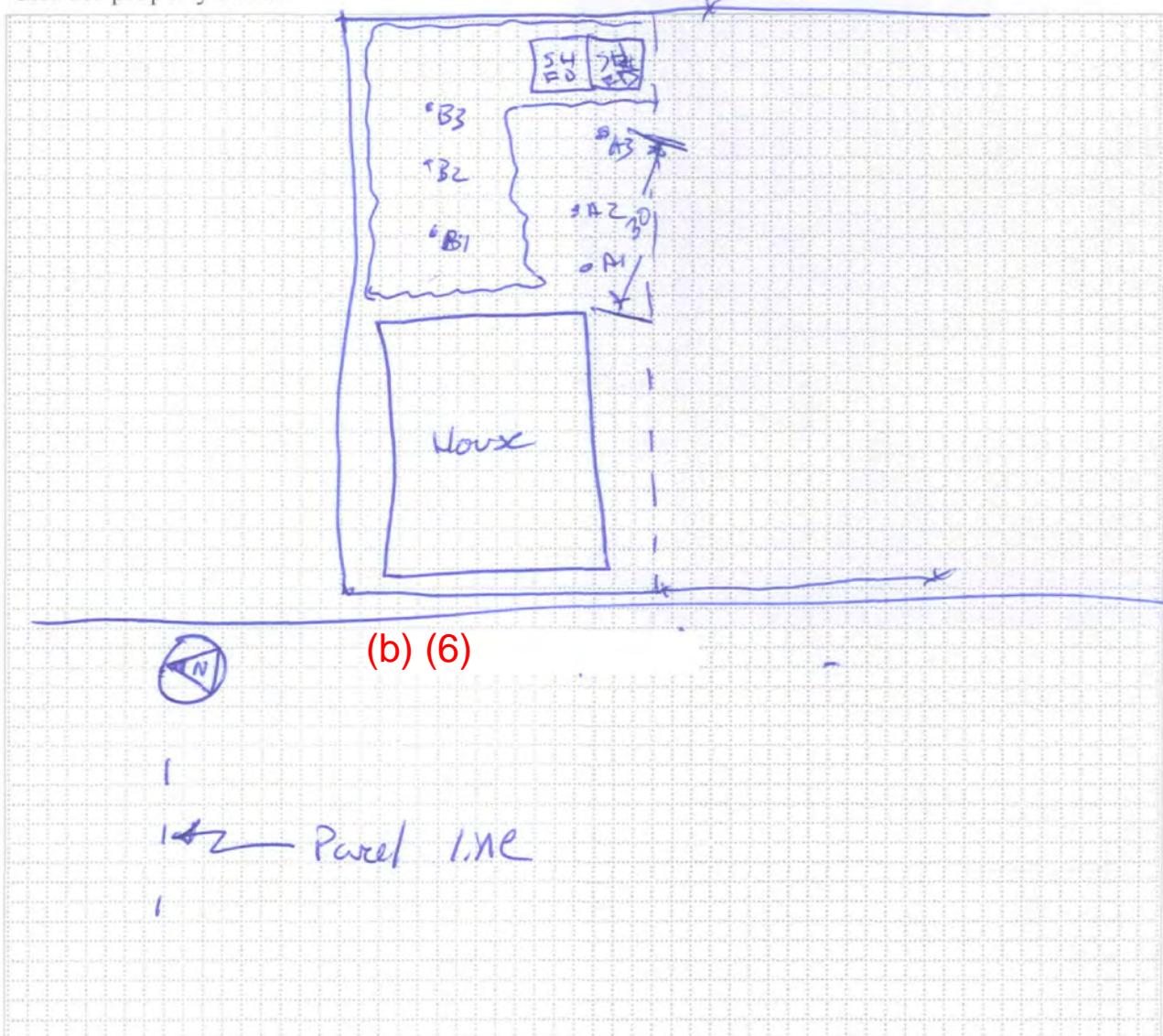
PROPERTY COMMENTS:

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Grid for property sketch



(b) (6)

STATION ID: CV0027 SAMPLE ID: CV0027A-CS-SP

SAMPLE COLLECTION TIME: 1410

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Side/Back yard.

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0027A-CS-SP

GPS Coordinates:	Trimble [✓]	Instrument #:	<u>020168</u>	Logged?	Y or N
Aliquot #1:	Latitude:	<u>33.55778469</u>	N Longitude	<u>86.80647843</u>	W
	Media description:	<u>Brown s.ity sand</u>			
Aliquot #2:	Latitude:	<u>33.55779036</u>	N Longitude	<u>86.80643423</u>	W
	Media description:	<u>Same A1</u>			
Aliquot #3:	Latitude:	<u>33.55778020</u>	N Longitude	<u>86.80637352</u>	W
	Media description:	<u>Same A1</u>			
Aliquot #4:	Latitude:		N Longitude		W
	Media description:				
Aliquot #5:	Latitude:		N Longitude		W
	Media description:	<u>06/04/13</u>			

STATION ID: CV0027 SAMPLE ID: CV0027B-CS-SP

SAMPLE COLLECTION TIME: 1420

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

vegetable garden

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0027B-CS-SP

GPS Coordinates:	Trimble [✓]	Instrument #:	<u>020168</u>	Logged?	Y or N
Aliquot #1:	Latitude:	<u>33.55784320</u>	N Longitude	<u>86.80646538</u>	W
	Media description:	<u>Brown s.ity clay</u>			
Aliquot #2:	Latitude:	<u>33.55784760</u>	N Longitude	<u>86.80642609</u>	W
	Media description:	<u>Brown s.ity clay</u>			
Aliquot #3:	Latitude:	<u>33.55784152</u>	N Longitude	<u>86.80637625</u>	W
	Media description:	<u>Brown s.ity clay</u>			
Aliquot #4:	Latitude:		N Longitude		W
	Media description:				
Aliquot #5:	Latitude:		N Longitude		W
	Media description:	<u>06/04/13</u>			

(b) (6)

ADDRESS: \_\_\_\_\_ PROPERTY ID: CV0112

DATE: 6/5/13 ARRIVAL TIME: 0830

Other pertinent information (weather conditions, etc.):

80° overcast

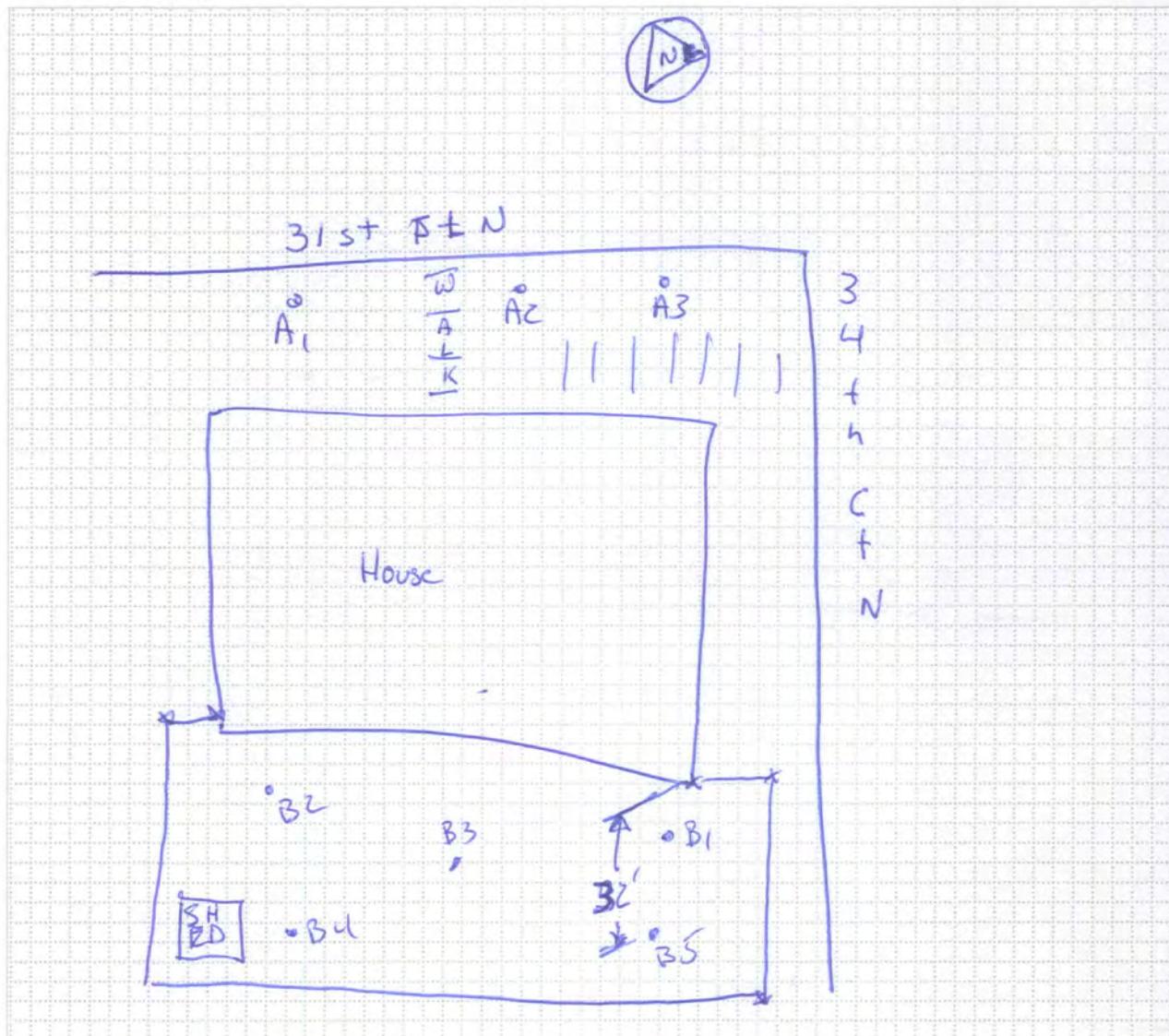
PROPERTY COMMENTS:

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Grid for property sketch



STATION ID: CV0112 SAMPLE ID: CV0112A-CS

SAMPLE COLLECTION TIME: 0845

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front yard.

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0112A-CS-D

GPS Coordinates:	Trimble <input checked="" type="checkbox"/> Instrument #:	<u>020168</u>	Logged? Y or N	
Aliquot #1:	Latitude:	<u>33.55924345</u>	N Longitude	<u>86.80487345</u> W
	Media description:	<u>Dark Brown s.ity clay</u>		
Aliquot #2:	Latitude:	<u>33.55927678</u>	N Longitude	<u>86.80487805</u> W
	Media description:	<u>Dark Brown s.ity clay</u>		
Aliquot #3:	Latitude:	<u>33.55931523</u>	N Longitude	<u>86.80487896</u> W
	Media description:			
Aliquot #4:	Latitude:		N Longitude	W
	Media description:	<u>SE</u>		
Aliquot #5:	Latitude:	<u>06/5/13</u>	N Longitude	W
	Media description:			

STATION ID: CV0112 SAMPLE ID: CV0112B-CS

SAMPLE COLLECTION TIME: 0855

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back yard

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: \_\_\_\_\_

GPS Coordinates:	Trimble <input checked="" type="checkbox"/> Instrument #:	<u>020168</u>	Logged? Y or N	
Aliquot #1:	Latitude:	<u>33.55932745</u>	N Longitude	<u>86.80462757</u> W
	Media description:	<u>Dark Brown s.ity clay</u>		
Aliquot #2:	Latitude:	<u>33.55924613</u>	N Longitude	<u>86.80462190</u> W
	Media description:	<u>Same B,</u>		
Aliquot #3:	Latitude:	<u>33.55928224</u>	N Longitude	<u>86.80458074</u> W
	Media description:	<u>Same B,</u>		
Aliquot #4:	Latitude:	<u>33.55932124</u>	N Longitude	<u>86.80454555</u> W
	Media description:	<u>Same B,</u>		
Aliquot #5:	Latitude:	<u>33.55924677</u>	N Longitude	<u>86.80454936</u> W
	Media description:	<u>Same B,</u>		

(b) (6)

ADDRESS: \_\_\_\_\_ PROPERTY ID: CVOZ71

DATE: 6/5/13 ARRIVAL TIME: 0950

Other pertinent information (weather conditions, etc.):

83°

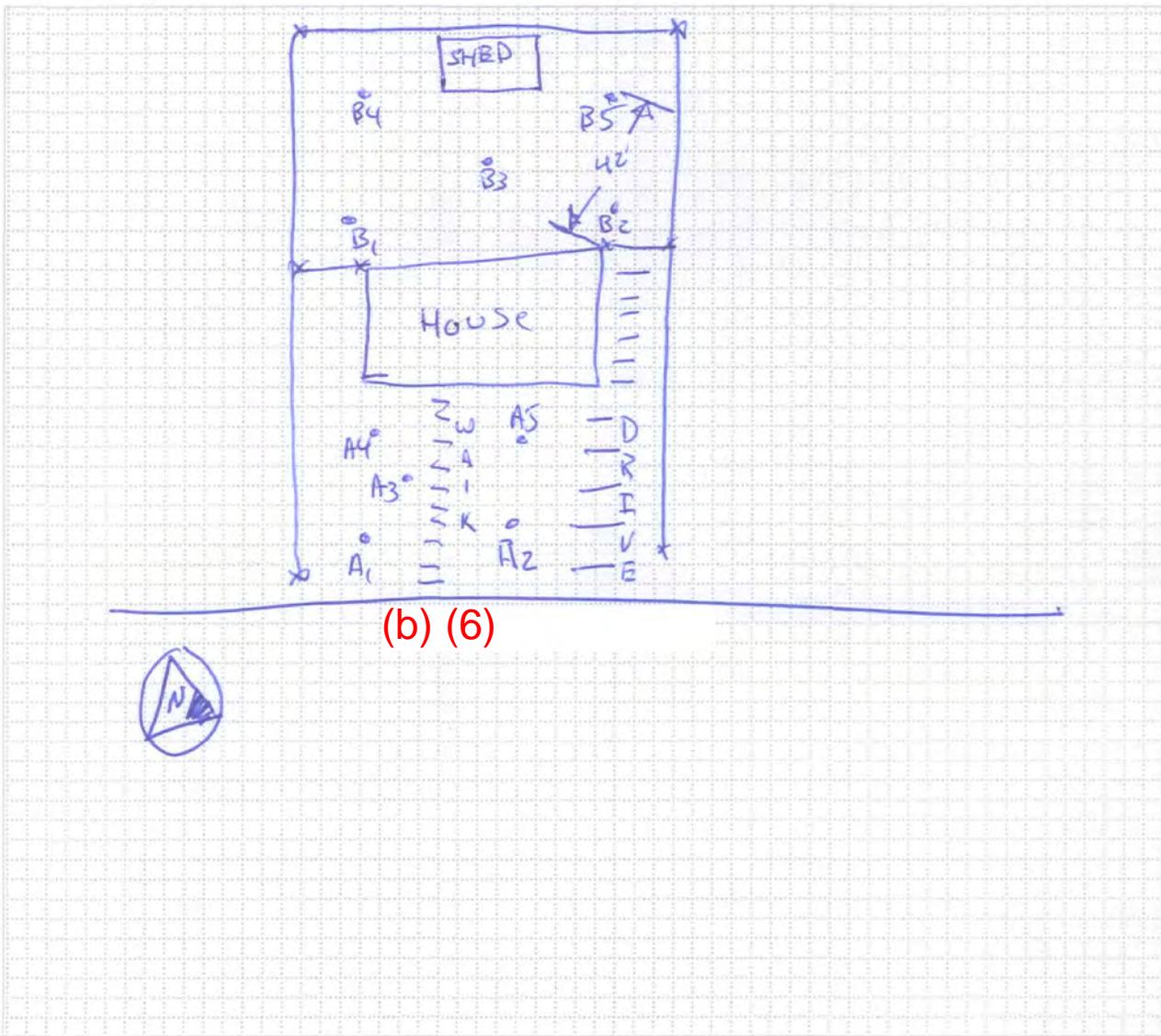
PROPERTY COMMENTS:

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Grid for property sketch



STATION ID: CV0271 SAMPLE ID: CV0271A-CS-SP

SAMPLE COLLECTION TIME: 1010

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front yard.

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0271A-CS-SP

GPS Coordinates:	Trimble <input checked="" type="checkbox"/>	Instrument #:	020168	Logged?	Y or N
Aliquot #1:	Latitude:	33.55838579	N Longitude	86.80316185	W
	Media description:	Brown sandy s.1T			
Aliquot #2:	Latitude:	33.55843058	N Longitude	86.80316365	W
	Media description:	Brown sandy s.4T			
Aliquot #3:	Latitude:	33.55841313	N Longitude	86.80319845	W
	Media description:	Same A1			
Aliquot #4:	Latitude:	33.55839536	N Longitude	86.80321198	W
	Media description:	Same A1			
Aliquot #5:	Latitude:	33.55844317	N Longitude	86.80321739	W
	Media description:	Dark Brown silty Clay			

STATION ID: CV0271 SAMPLE ID: CV0271B-CS-SP

SAMPLE COLLECTION TIME: 1020

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back yard

Collection: Composite or Grab

MS/MSD? Y or N

GPS Coordinates:	Trimble <input checked="" type="checkbox"/>	Instrument #:	020168	Logged?	Y or N
Aliquot #1:	Latitude:	33.5584083	N Longitude	86.80343521	W
	Media description:	Brown sandy s.1T			
Aliquot #2:	Latitude:	33.55848195	N Longitude	86.80341831	W
	Media description:	Same B1			
Aliquot #3:	Latitude:	33.55844142	N Longitude	86.80347143	W
	Media description:	Same B1			
Aliquot #4:	Latitude:	33.55839589	N Longitude	86.80354861	W
	Media description:	Same B1			
Aliquot #5:	Latitude:	33.55849321	N Longitude	86.80354069	W
	Media description:	Same B1			

(b) (6)

ADDRESS:

PROPERTY ID: CV0145

DATE: 6/5/13

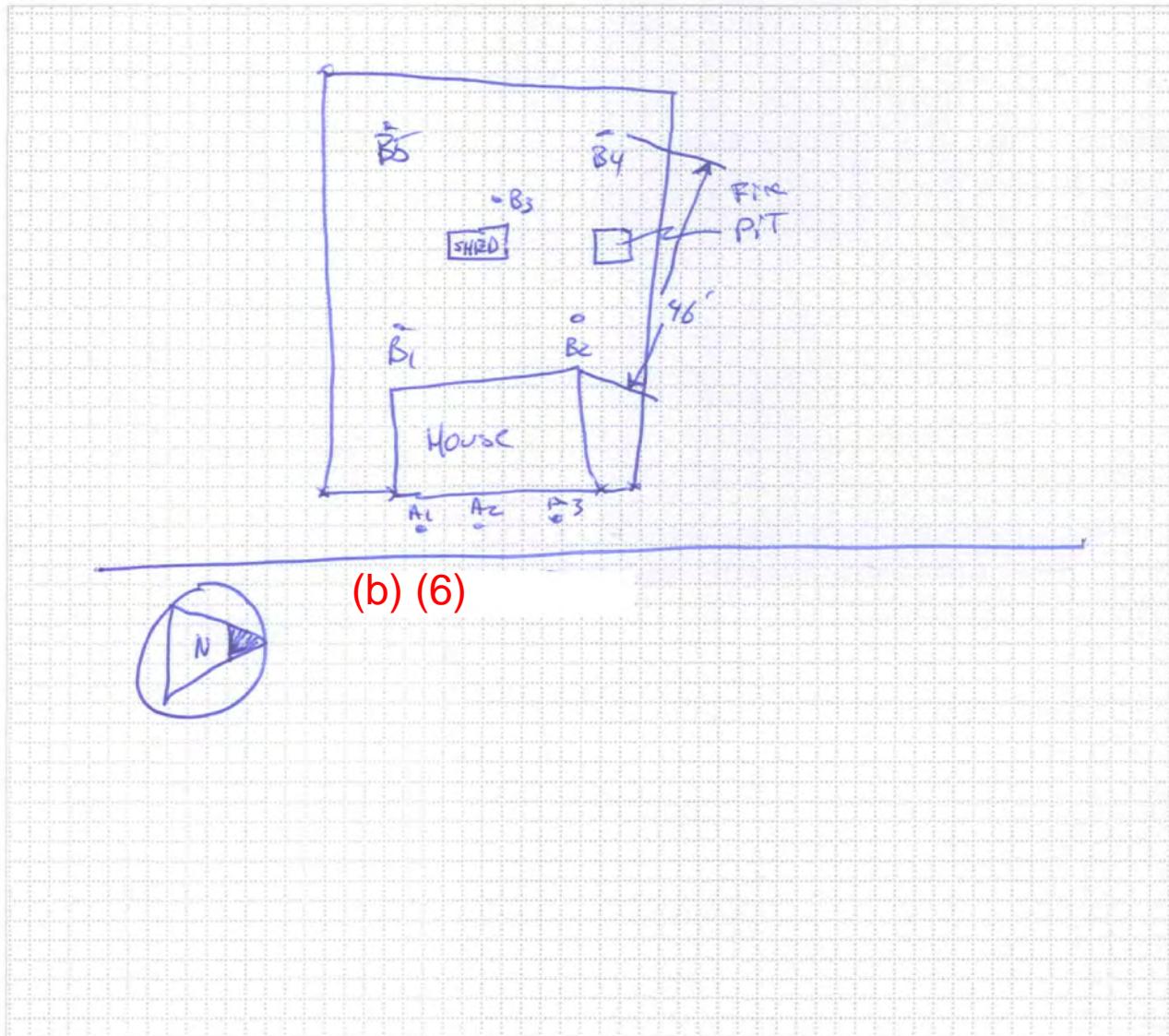
ARRIVAL TIME: 1030

Other pertinent information (weather conditions, etc.):

83° sunny

PROPERTY COMMENTS:

Grid for property sketch



(b) (6)

STATION ID: CV0145

SAMPLE ID: CV0145A-CS-SP

SAMPLE COLLECTION TIME: 1045

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front yard.

Collection:  Composite or GrabMS/MSD? Y or  NField Duplicate or Split:  Yes or No If yes, indicate Duplicate/split sample station ID: CV0145A-CS-SP

GPS Coordinates: Trimble [✓] Instrument #: 020168

Logged? Y or N

Aliquot #1: Latitude: 33.5588430 N Longitude 86.80588954 W

Media description: Dark Brown s.ity clay

Aliquot #2 Latitude: 33.55884515 N Longitude 86.80589183 W

Media description: SAME A1

Aliquot #3: Latitude: 33.55882898 N Longitude 86.80588772 W

Media description: SAME A1

Aliquot #4: Latitude: N Longitude W

Media description:

Aliquot #5: Latitude: N Longitude W

Media description:

6/5/13

STATION ID: CV0145

SAMPLE ID: CV0145B-CS-SP

SAMPLE COLLECTION TIME: 1055

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back yard

Collection:  Composite or GrabMS/MSD? Y or  NField Duplicate or Split:  Yes or No If yes, indicate Duplicate/split sample station ID: CV0145B-CS-SP

GPS Coordinates: Trimble [✓] Instrument #: 020168 Logged? Y or N

Aliquot #1: Latitude: 33.55879948 N Longitude 86.80608671 W

Media description: Dark Brown s.ity sandy

Aliquot #2 Latitude: 33.55887901 N Longitude 86.80610049 W

Media description: Brown sandy s.ity

Aliquot #3: Latitude: 33.55887022 N Longitude 86.80612903 W

Media description: Brown sandy s.ITY + clay DR

Aliquot #4: Latitude: 33.55878436 N Longitude 86.80616434 W

Media description: Brown sandy s.ITY w/stay

Aliquot #5: Latitude: 33.55890136 N Longitude 86.80617054 W

Media description: Brown sandy s.ITY

(b) (6)

ADDRESS:

PROPERTY ID: CV0157

DATE: 6-5-13

ARRIVAL TIME: 1215

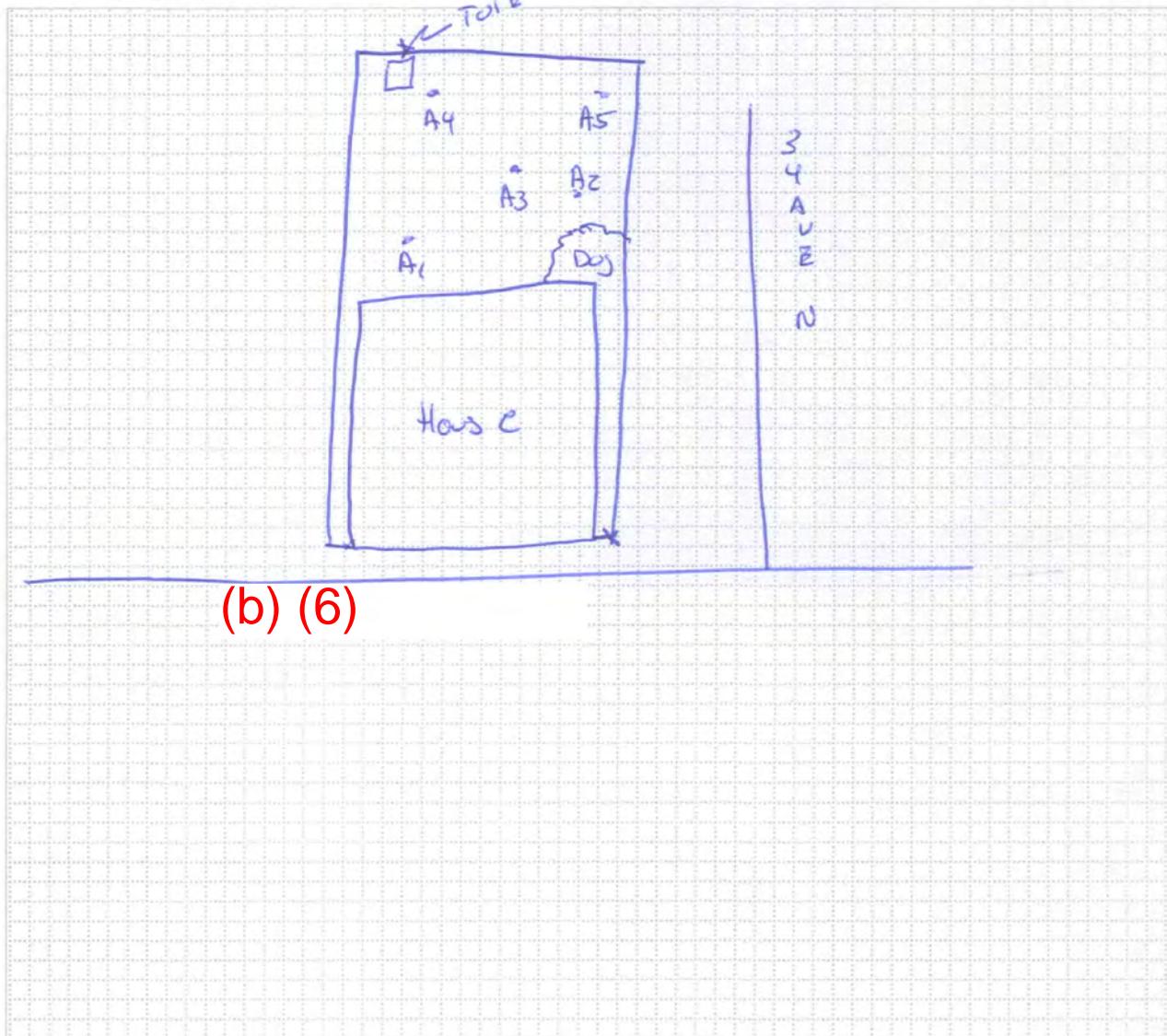
Other pertinent information (weather conditions, etc.):

88° overcast

PROPERTY COMMENTS:

No front yard

Grid for property sketch



STATION ID: CV0139

SAMPLE ID: CV0139A-CS-SP

SAMPLE COLLECTION TIME: 1230

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0139A-CS-SP

GPS Coordinates: Trimble [V] Instrument #: 020168

Logged? Y or N

Aliquot #1: Latitude: 33.55832338 N Longitude 86.80555135 W

Media description: Dark Brown silt/sand w/gravel & clay

Aliquot #2 Latitude: 33.55827602

N Longitude 86.80557942 W

Media description: 33.55827602 SAME A1

Aliquot #3: Latitude: 33.55828695

N Longitude 86.80552292 W

Media description: SAME A1

Aliquot #4: Latitude: 33.55832623

N Longitude 86.80547688 W

Media description: SAME A1

Aliquot #5: Latitude: 33.55827014

N Longitude 86.80545961 W

Media description: SAME A1

STATION ID: \_\_\_\_\_ SAMPLE ID: \_\_\_\_\_

SAMPLE COLLECTION TIME: \_\_\_\_\_

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: \_\_\_\_\_

GPS Coordinates: Trimble [ ] Instrument #: \_\_\_\_\_ Logged? Y or N

Aliquot #1: Latitude: \_\_\_\_\_ N Longitude \_\_\_\_\_ W

Media description: ob/5/13

Aliquot #2 Latitude: \_\_\_\_\_ N Longitude \_\_\_\_\_ W

Media description: \_\_\_\_\_

Aliquot #3: Latitude: \_\_\_\_\_ N Longitude \_\_\_\_\_ W

Media description: \_\_\_\_\_

Aliquot #4: Latitude: \_\_\_\_\_ N Longitude \_\_\_\_\_ W

Media description: \_\_\_\_\_

Aliquot #5: Latitude: \_\_\_\_\_ N Longitude \_\_\_\_\_ W

Media description: \_\_\_\_\_

(b) (6)

ADDRESS:

PROPERTY ID: C10143

DATE: 6/5/13

ARRIVAL TIME: 1305

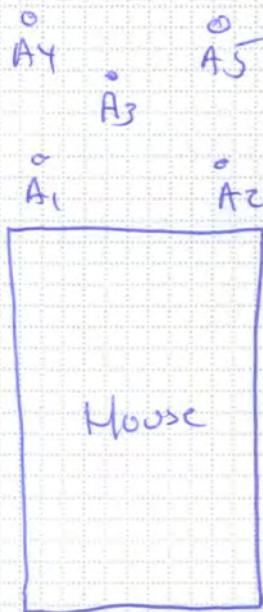
Other pertinent information (weather conditions, etc.):

91° HOT

PROPERTY COMMENTS:

No front yard.

Grid for property sketch



(b) (6)

STATION ID: CV0143SAMPLE ID: CV0143A-CS-SPSAMPLE COLLECTION TIME: 1320

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back YardCollection: Composite or GrabMS/MSD? Y or NField Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0143A-CS-SPGPS Coordinates: Trimble [ ] Instrument #: 020168

Logged? Y or N

Aliquot #1: Latitude: 33.55861557 N Longitude 86.80552901 WMedia description: Dark Brown Sandy S.II w/gravel & slagAliquot #2 Latitude: 33.55857276N Longitude 86.80552705 WMedia description: Same A1Aliquot #3: Latitude: 33.55857520N Longitude 86.80548677 WMedia description: Same A1Aliquot #4: Latitude: 33.55861348N Longitude 86.80545158 WMedia description: Same A1Aliquot #5: Latitude: 33.55857049N Longitude 86.80544047 WMedia description: Same A1

STATION ID: \_\_\_\_\_ SAMPLE ID: \_\_\_\_\_

SAMPLE COLLECTION TIME: \_\_\_\_\_

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: \_\_\_\_\_

GPS Coordinates: Trimble [ ] Instrument #: 020168 Logged? Y or NAliquot #1: Latitude: 06/5/13 N Longitude \_\_\_\_\_ W

Media description: \_\_\_\_\_

Aliquot #2 Latitude: 06/5/13 N Longitude \_\_\_\_\_ W

Media description: \_\_\_\_\_

Aliquot #3: Latitude: 06/5/13 N Longitude \_\_\_\_\_ W

Media description: \_\_\_\_\_

Aliquot #4: Latitude: 06/5/13 N Longitude \_\_\_\_\_ W

Media description: \_\_\_\_\_

Aliquot #5: Latitude: 06/5/13 N Longitude \_\_\_\_\_ W

Media description: \_\_\_\_\_

(b) (6)

ADDRESS: \_\_\_\_\_ PROPERTY ID: CVOZZ6

DATE: 6/6/13 ARRIVAL TIME: 0850

Other pertinent information (weather conditions, etc.):

74° sunny

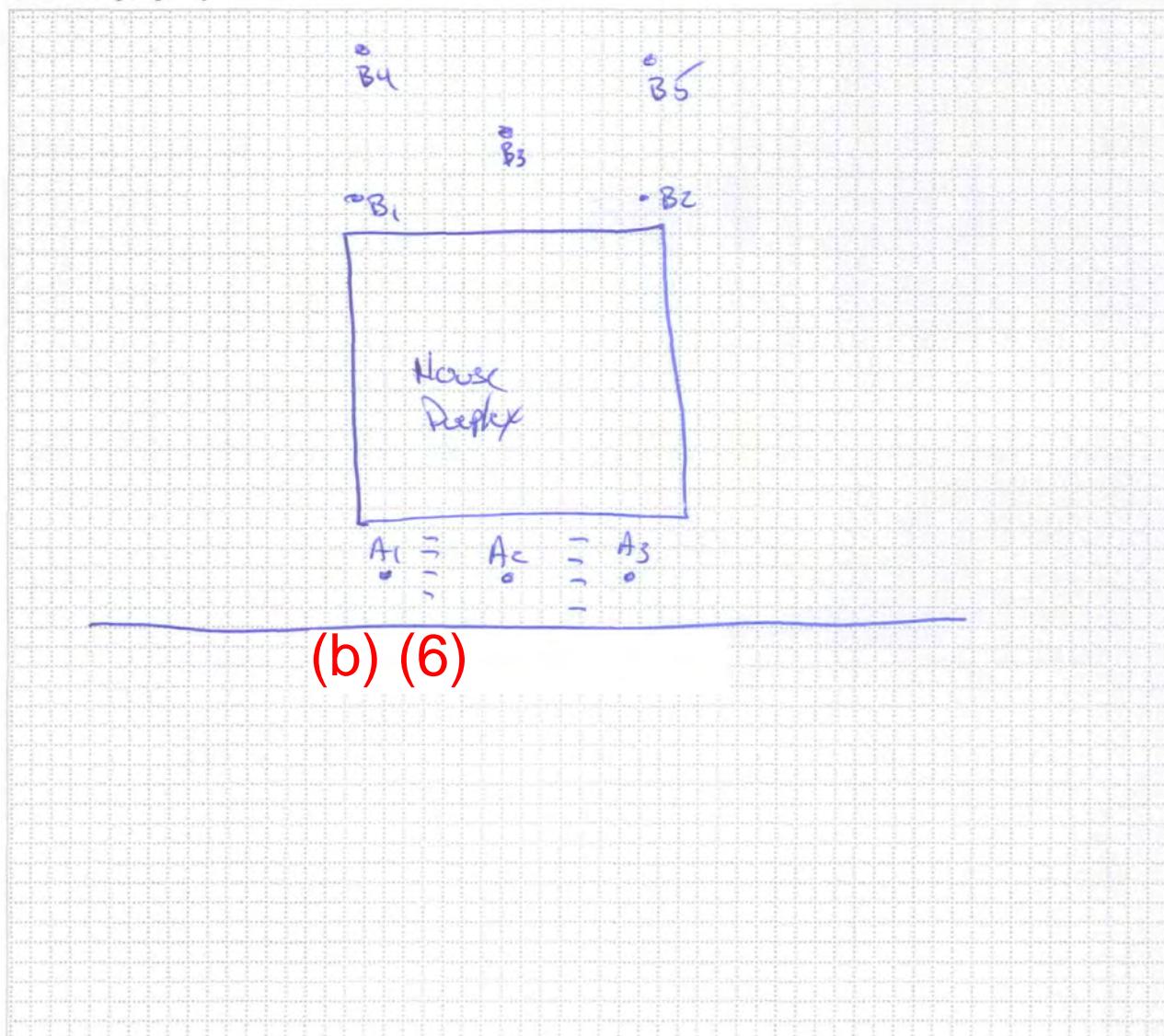
PROPERTY COMMENTS:

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Grid for property sketch



STATION ID: CV0226

SAMPLE ID: CV0226A-CS-SF

SAMPLE COLLECTION TIME: 0900

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0226A-CS-SF

GPS Coordinates:	Trimble [✓]	Instrument #:	020168	Logged?	Y or N
Aliquot #1:	Latitude:	33.55641090	N Longitude	86.80174332	W
	Media description:	Dark Brown Silty Clay w/gravel			
Aliquot #2:	Latitude:	33.55643855	N Longitude	86.80174324	W
	Media description:	Same A1			
Aliquot #3:	Latitude:	33.55646480	N Longitude	86.80174542	W
	Media description:	Same A1			
Aliquot #4:	Latitude:		N Longitude		W
	Media description:	<del>(X)</del>			
Aliquot #5:	Latitude:		N Longitude		W
	Media description:	6/6/13			

STATION ID: CV0226

SAMPLE ID: CV0226B-CS-SF

SAMPLE COLLECTION TIME: 0910

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back yard.

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0226B-CS-SF

GPS Coordinates:	Trimble [✓]	Instrument #:	020168	Logged?	Y or N
Aliquot #1:	Latitude:	33.55640038	N Longitude	86.80199110	W
	Media description:	Dark Brown Silty Clay w/gravel			
Aliquot #2:	Latitude:	33.55647640	N Longitude	86.80199841	W
	Media description:	Same B1			
Aliquot #3:	Latitude:	33.55644636	N Longitude	86.80203158	W
	Media description:	Same B1			
Aliquot #4:	Latitude:	33.55640472	N Longitude	86.80210357	W
	Media description:	Same B1			
Aliquot #5:	Latitude:	33.55647556	N Longitude	86.80208738	W
	Media description:	Same B1			

(b) (6)

ADDRESS:

PROPERTY ID: CV1134

DATE: 6/6/13

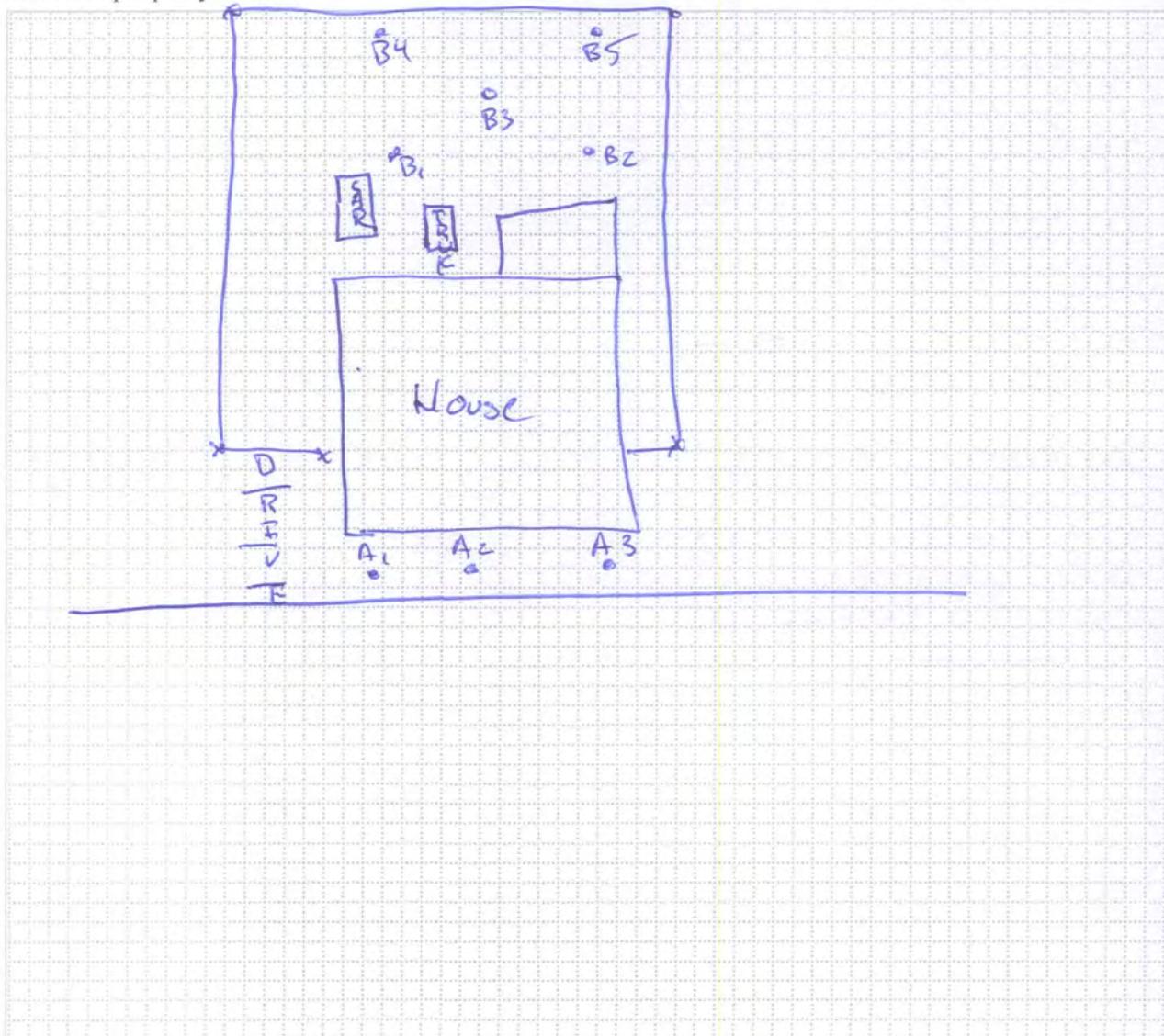
ARRIVAL TIME: 0950

Other pertinent information (weather conditions, etc.):

81° Sunny

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV1134 SAMPLE ID: CV1134A-CS-SP

SAMPLE COLLECTION TIME: 1000

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front yard

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV1134A-CS-SP

GPS Coordinates:	Trimble [✓]	Instrument #:	020168	Logged?	Y or N
Aliquot #1:	Latitude:	33.55117562	N Longitude	86.80293437	W
	Media description:	light Brown s.lty sand			
Aliquot #2:	Latitude:	33.55116947	N Longitude	86.80292615	W
	Media description:	Same A			
Aliquot #3:	Latitude:	33.55117585	N Longitude	86.80301275	W
	Media description:	light Brown s.lty clay			
Aliquot #4:	Latitude:		N Longitude		W
	Media description:				
Aliquot #5:	Latitude:		N Longitude		W
	Media description:	6/6/13			

STATION ID: CV1134 SAMPLE ID: CV1134B-CS-SP

SAMPLE COLLECTION TIME: 1010

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back yard

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: No or No If yes, indicate Duplicate/split sample station ID: CV1134B-CS-SP

GPS Coordinates:	Trimble [✓]	Instrument #:	020168	Logged?	Y or N
Aliquot #1:	Latitude:	33.55099405	N Longitude	86.80291915	W
	Media description:	Dark Brown s.lty clay			
Aliquot #2:	Latitude:	33.55098281	N Longitude	86.80302059	W
	Media description:	Same B			
Aliquot #3:	Latitude:	33.55095496	N Longitude	86.80298406	W
	Media description:	Same B			
Aliquot #4:	Latitude:	33.55089086	N Longitude	86.80293828	W
	Media description:	medium Brown sandy Clay			
Aliquot #5:	Latitude:	33.55090111	N Longitude	86.80301297	W
	Media description:	medium Brown sandy clay			

**(b) (6)**

ADDRESS:

PROPERTY ID: CV 1135

DATE: 6/6/13

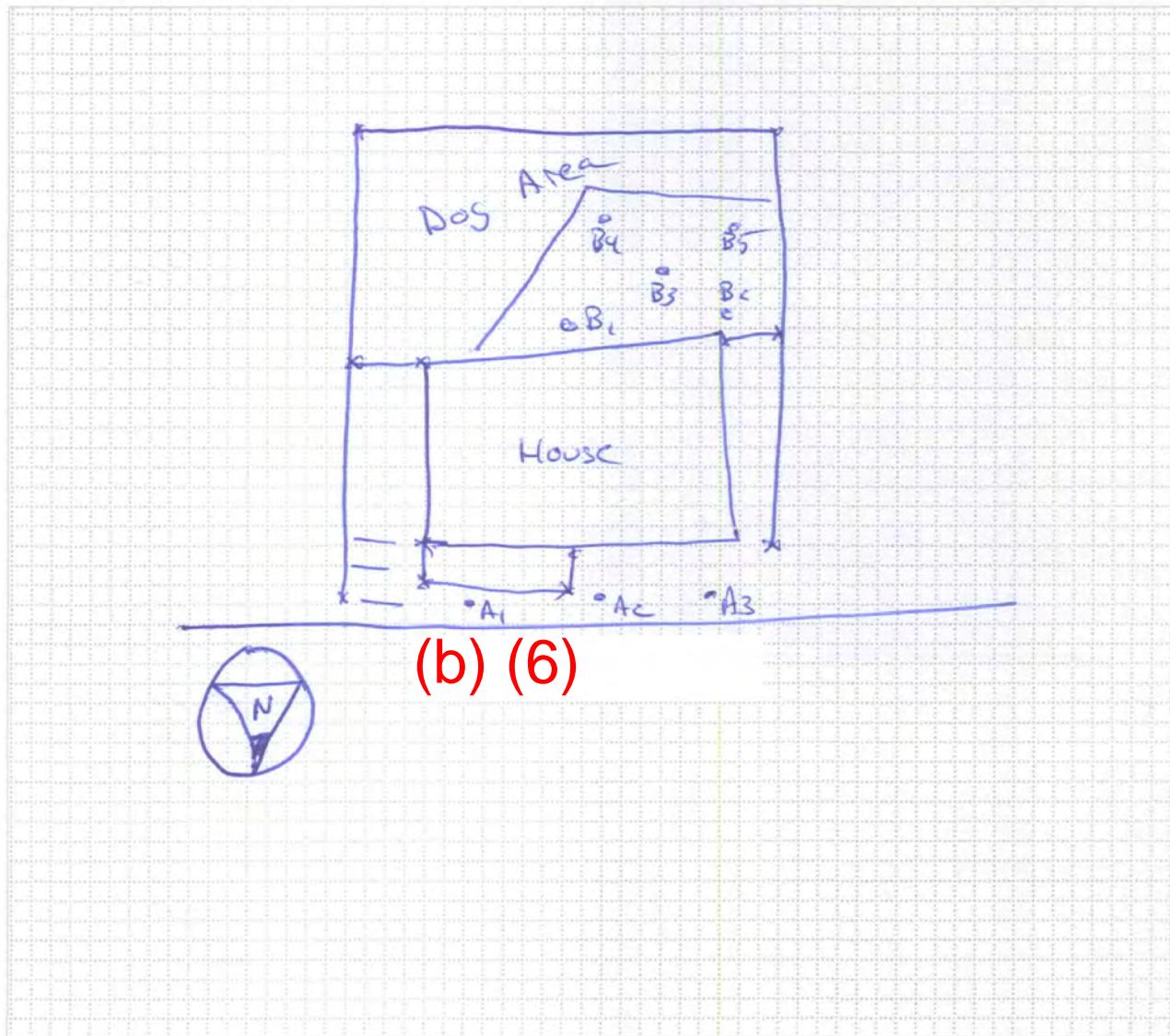
ARRIVAL TIME: 10:15

Other pertinent information (weather conditions, etc.):

81° Sunny

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV1135 SAMPLE ID: CV1135A-CS-SP

SAMPLE COLLECTION TIME: 1020

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV1135A-CS-SP

GPS Coordinates: Trimble  Instrument #: 020168

Logged? Y or N

Aliquot #1: Latitude: 33.55119079 N Longitude 86.80279055 W

Media description: Dark/Reddish Sandy Clay

Aliquot #2: Latitude: 33.55119366 N Longitude 86.80281998 W

Media description: Same A1

Aliquot #3: Latitude: 33.55118163 N Longitude 86.80282014 W

Media description: Same A1

Aliquot #4: Latitude: \_\_\_\_\_ N Longitude \_\_\_\_\_ W

Media description: \_\_\_\_\_

Aliquot #5: Latitude: \_\_\_\_\_ N Longitude \_\_\_\_\_ W

Media description: 6/6/13

STATION ID: CV1135 — SAMPLE ID: CV1135B-CS,SP

SAMPLE COLLECTION TIME: 1030

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: \_\_\_\_\_

GPS Coordinates: Trimble  Instrument #: 020168

Logged? Y or N

Aliquot #1: Latitude: 33.55097633 N Longitude 86.80282673 W

Media description: Dark Brown Sandy Clay w/gravel

Aliquot #2: Latitude: 33.55102521 N Longitude 86.80288571 W

Media description: Same B1

Aliquot #3: Latitude: 33.55097923 N Longitude 86.80285783 W

Media description: Same B1

Aliquot #4: Latitude: 33.53094865 N Longitude 86.80284770 W

Media description: Same B1

Aliquot #5: Latitude: 33.55095145 N Longitude 86.80288521 W

Media description: Same B1

**(b) (6)**

ADDRESS:

PROPERTY ID: CV1244

DATE: 6/6/13

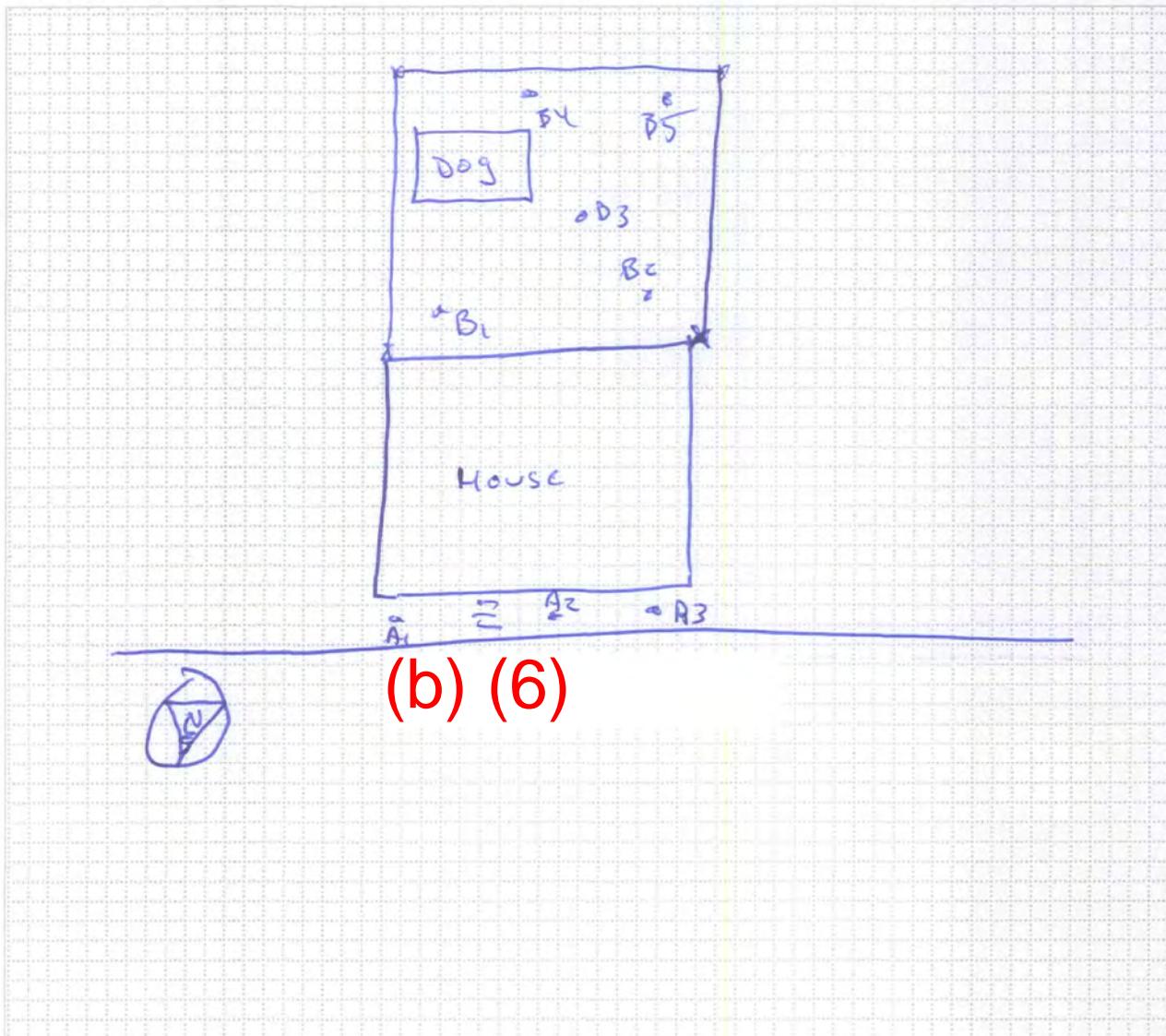
ARRIVAL TIME: 1045

Other pertinent information (weather conditions, etc.):

82° sunny

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV1244

SAMPLE ID: CV1244 A-CS-SP

SAMPLE COLLECTION TIME: 1055

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front yardCollection: Composite or GrabMS/MSD? Y or NField Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV1244 A-CS-SP

GPS Coordinates:	Trimble [✓]	Instrument #:	020168	Logged?	Y or N
Aliquot #1:	Latitude:	33.55180615	N Longitude	86.79799255	W
	Media description:	Dark Brown Sandy Clay			
Aliquot #2	Latitude:	33.55180301	N Longitude	86.79801972	W
	Media description:	Same A1			
Aliquot #3:	Latitude:	33.55180194	N Longitude	86.79804636	W
	Media description:	Same A1			
Aliquot #4:	Latitude:		N Longitude		W
	Media description:				
Aliquot #5:	Latitude:		N Longitude		W
	Media description:	6/6/13			

STATION ID: CV1244

SAMPLE ID: CV1244 B-CS-SP

SAMPLE COLLECTION TIME: 1105

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back yardCollection: Composite or GrabMS/MSD? Y or NField Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV1244 B-CS-SP

GPS Coordinates:	Trimble [✓]	Instrument #:	020168	Logged?	Y or N
Aliquot #1:	Latitude:	33.55158458	N Longitude	86.79799798	W
	Media description:	Dark Brown Sandy Clay w/gravel & coal			
Aliquot #2	Latitude:	33.55159019	N Longitude	86.79805225	W
	Media description:	Same B1			
Aliquot #3:	Latitude:	33.55155798	N Longitude	86.79801445	W
	Media description:	Same B1			
Aliquot #4:	Latitude:	33.55152330	N Longitude	86.79801297	W
	Media description:	Same B1			
Aliquot #5:	Latitude:	33.55152787	N Longitude	86.79803868	W
	Media description:	Same B1			

(b) (6)

ADDRESS: \_\_\_\_\_ PROPERTY ID: CV0346

DATE: 6/6/13 ARRIVAL TIME: 1235

Other pertinent information (weather conditions, etc.):

82° overcast

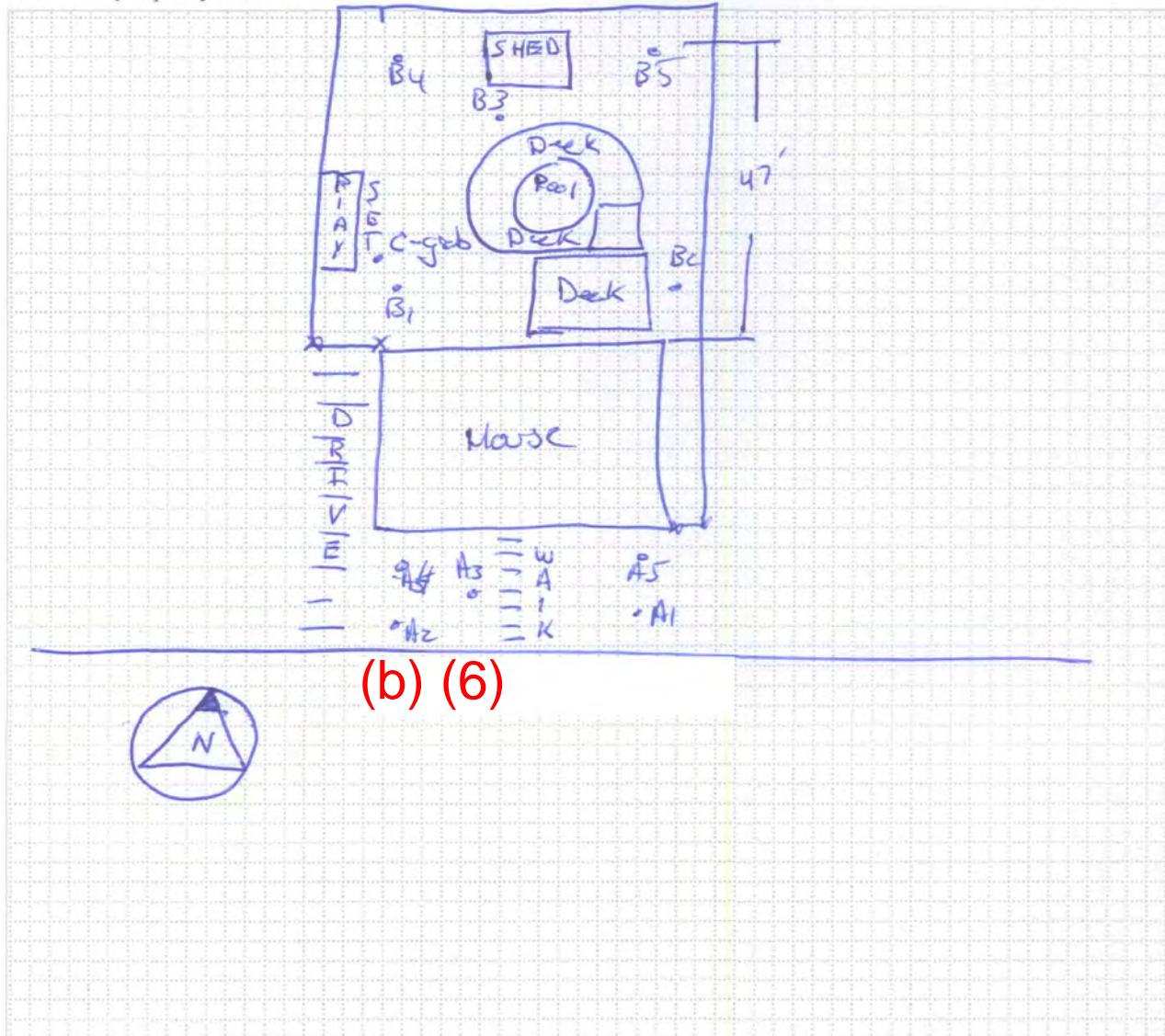
PROPERTY COMMENTS:

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Grid for property sketch



STATION ID: CV0346 SAMPLE ID: CV0346 A-CS-SP

SAMPLE COLLECTION TIME: 1250

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0346 A-CS-SP

GPS Coordinates:	Trimble [✓] Instrument #:	020168	Logged?	Y or N
Aliquot #1:	Latitude:	33.55610101	N Longitude	86.79672262 W
	Media description:	Dark Brown Silty clay		
Aliquot #2:	Latitude:	33.55610174	N Longitude	86.79662402 W
	Media description:	Same A1		
Aliquot #3:	Latitude:	33.55612708	N Longitude	86.79668287 W
	Media description:	Same A1		
Aliquot #4:	Latitude:	33.55614679	N Longitude	86.79672933 W
	Media description:	Same A1		
Aliquot #5:	Latitude:	33.55614371	N Longitude	86.79662567 W
	Media description:	Same A1		

STATION ID: CV0346 SAMPLE ID: CV0346 B-CS-SP

SAMPLE COLLECTION TIME: 1300

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0346 B-CS-SP

GPS Coordinates:	Trimble [✓] Instrument #:	020168	Logged?	Y or N
Aliquot #1:	Latitude:	33.55625108	N Longitude	86.79674454 W
	Media description:	Dark Brown Silty clay		
Aliquot #2:	Latitude:	33.55627420	N Longitude	86.79662740 W
	Media description:	Radish Brown Silty Clay		
Aliquot #3:	Latitude:	33.55636071	N Longitude	86.79669284 W
	Media description:	Same B2		
Aliquot #4:	Latitude:	33.55638953	N Longitude	86.79677682 W
	Media description:	Same B1		
Aliquot #5:	Latitude:	33.55639810	N Longitude	86.79664632 W
	Media description:	Same B2		

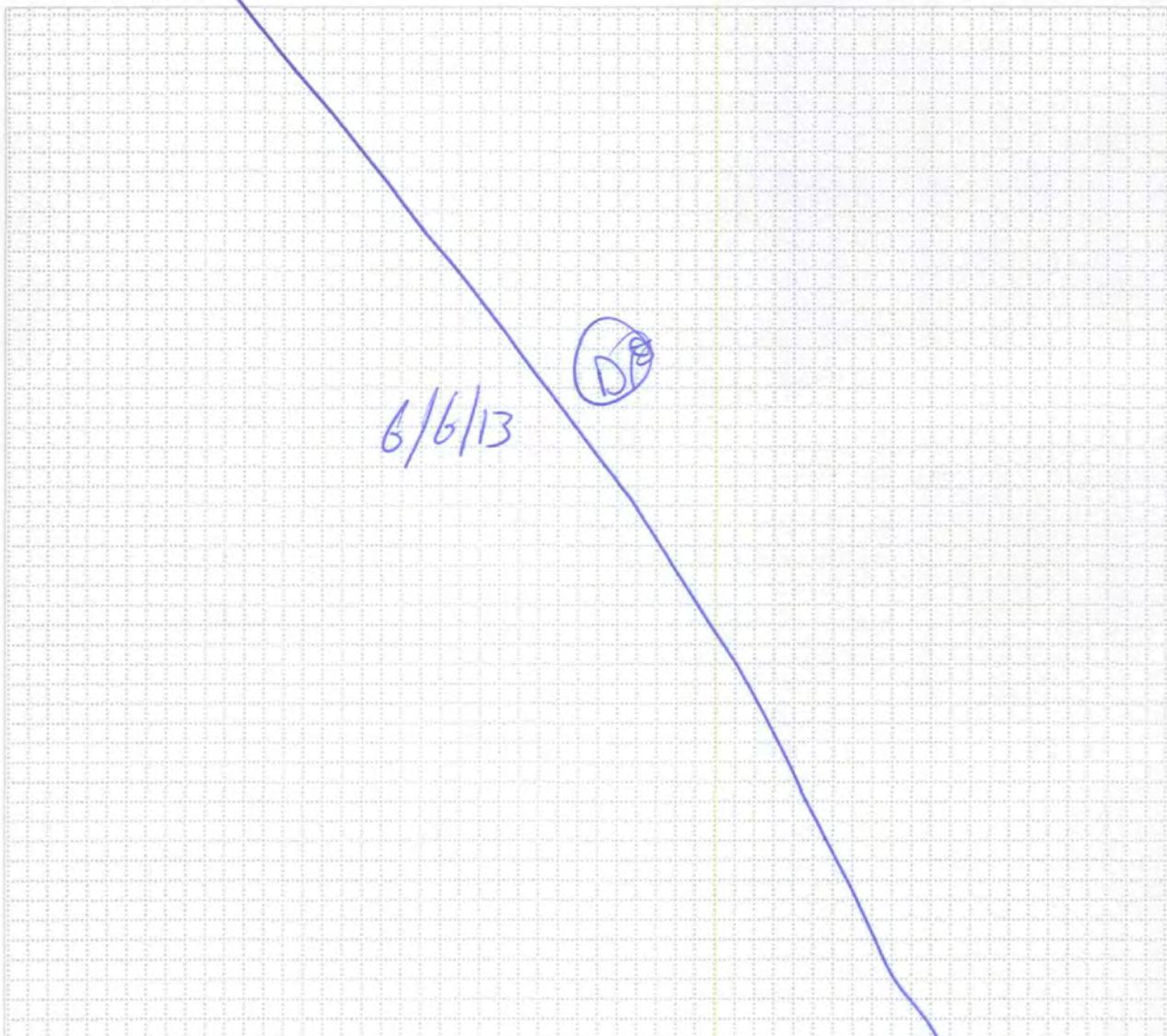
ADDRESS: Cont PROPERTY ID: CVO346

DATE: 6/6/13 ARRIVAL TIME: \_\_\_\_\_

Other pertinent information (weather conditions, etc.):  
\_\_\_\_\_  
\_\_\_\_\_

**PROPERTY COMMENTS:**

Grid for property sketch



STATION ID: CV0346SAMPLE ID: CV0346 C-~~grab~~-SP  
*(NP)*SAMPLE COLLECTION TIME: 1310

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Play set grabCollection: Composite or GrabMS/MSD? Y or NField Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0346C-G-SP

GPS Coordinates: Trimble <input checked="" type="checkbox"/>	Instrument #:	<u>020168</u>	Logged? Y or N
Aliquot #1: Latitude:	<u>33.55629321</u>	N Longitude <u>86.74676679</u>	W
Media description:	<u>Dark Brown Silty Clay</u>		
Aliquot #2: Latitude:		N Longitude	W
Media description:			
Aliquot #3: Latitude:		N Longitude	W
Media description:			
Aliquot #4: Latitude:		N Longitude	W
Media description:			
Aliquot #5: Latitude:		N Longitude	W
Media description:	<u>6/6/13</u>		

STATION ID: \_\_\_\_\_ SAMPLE ID: \_\_\_\_\_

SAMPLE COLLECTION TIME: \_\_\_\_\_

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or <u>Grab</u>	MS/MSD? Y or N	
Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:		
GPS Coordinates: Trimble <input type="checkbox"/> Instrument #:	Logged? Y or N	
Aliquot #1: Latitude:	N Longitude	W
Media description:		
Aliquot #2: Latitude:	N Longitude	W
Media description:		
Aliquot #3: Latitude:	N Longitude	W
Media description:		
Aliquot #4: Latitude:	N Longitude	W
Media description:		
Aliquot #5: Latitude:	N Longitude	W
Media description:		

(b) (6)

ADDRESS:

PROPERTY ID: CV0296

DATE: 6/6/13

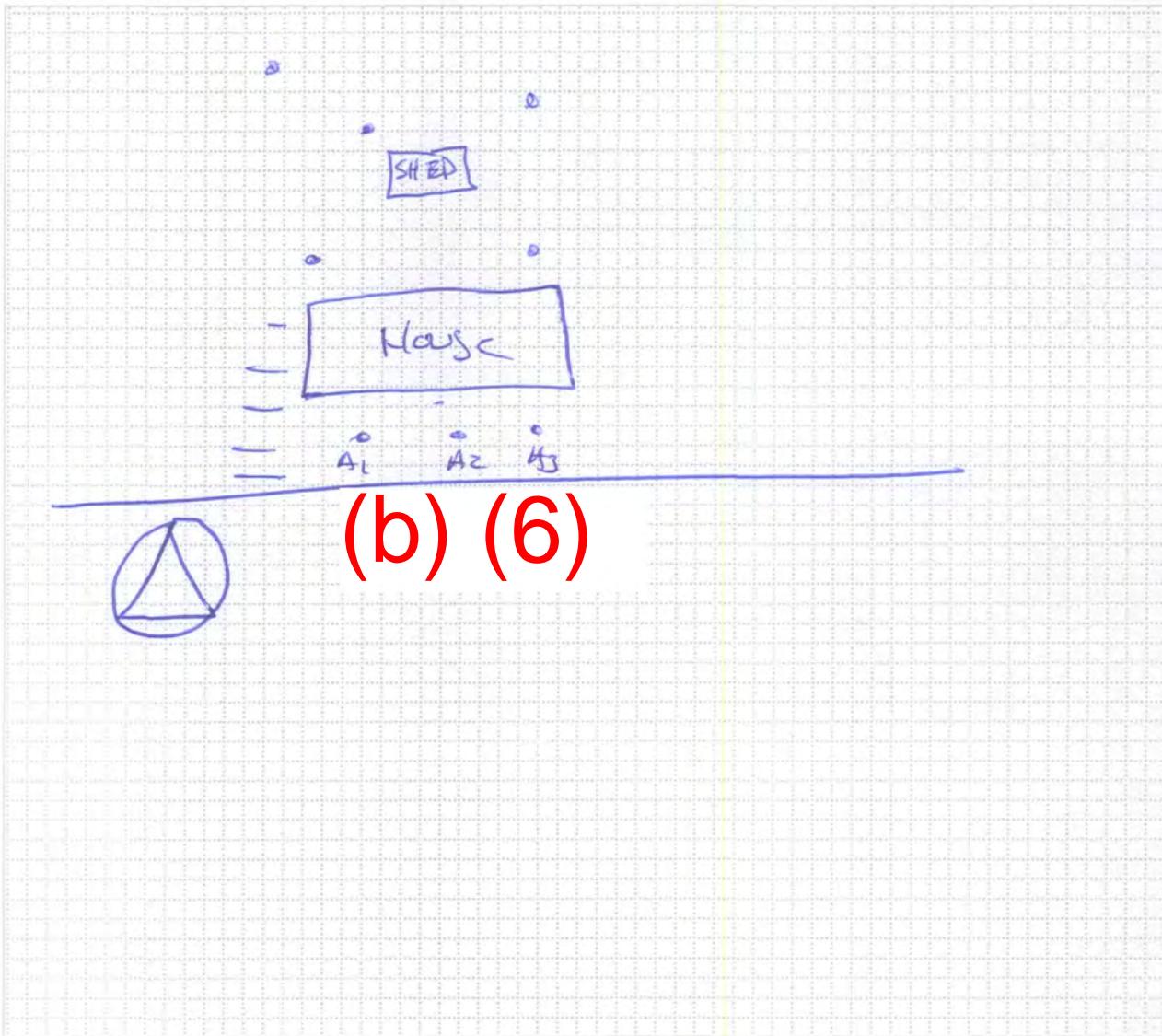
ARRIVAL TIME: 1340

Other pertinent information (weather conditions, etc.):

82° overcast

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV0296

SAMPLE ID: CV0296A-CS-SP

SAMPLE COLLECTION TIME: 1355

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0296A-CS-SP

GPS Coordinates:	Trimble [V] Instrument #:	020168	Logged?	Y or N
Aliquot #1:	Latitude:	33.55532040	N Longitude	86.79762241 W
	Media description:	Dark Brown sandy clay		
Aliquot #2:	Latitude:	33.55531740	N Longitude	86.79765210 W
	Media description:	Dark Brown sandy clay		
Aliquot #3:	Latitude:	33.5553204	N Longitude	86.79768402 W
	Media description:	Dark Brown sandy clay		
Aliquot #4:	Latitude:		N Longitude	W
	Media description:	DP		
Aliquot #5:	Latitude:	6/6/13	N Longitude	W
	Media description:			

STATION ID: CV0296

SAMPLE ID: CV0296B-CS-SP

SAMPLE COLLECTION TIME: 1405

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0296B-CS-SP

GPS Coordinates:	Trimble [V] Instrument #:	020168	Logged?	Y or N
Aliquot #1:	Latitude:	33.55548542	N Longitude	86.79774619 W
	Media description:	Dark Brown salty clay		
Aliquot #2:	Latitude:	33.55549153	N Longitude	86.79761805 W
	Media description:	Sandy B.		
Aliquot #3:	Latitude:	33.55553116	N Longitude	86.79768021 W
	Media description:	Sandy B.		
Aliquot #4:	Latitude:	33.55556448	N Longitude	86.7977359 W
	Media description:	Dark Brown salty clay		
Aliquot #5:	Latitude:	33.55557138	N Longitude	86.79761870 W
	Media description:	Sandy B.		

(b) (6)

ADDRESS: \_\_\_\_\_ PROPERTY ID: CV0201

DATE: 6/7/13 ARRIVAL TIME: 0800

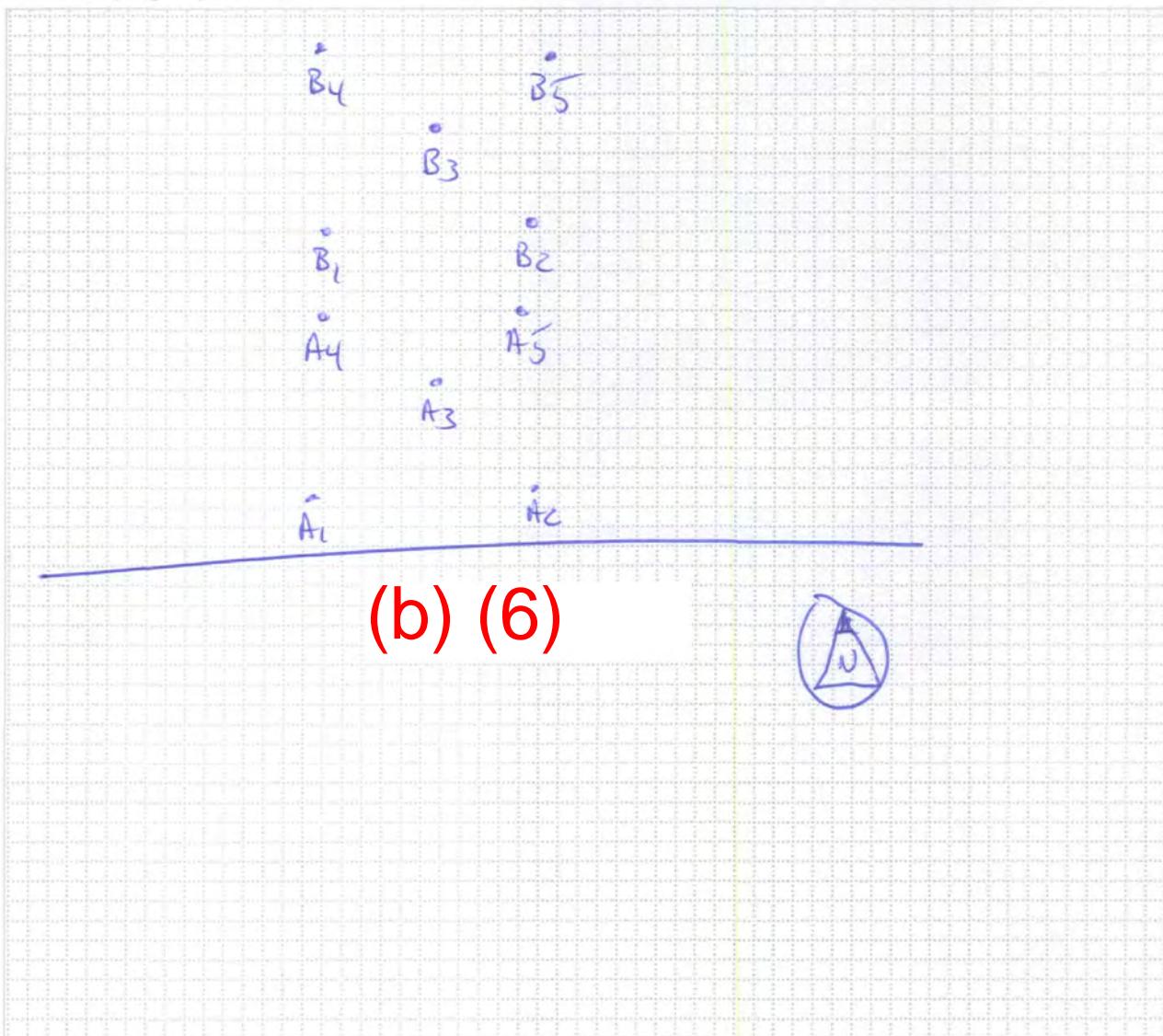
Other pertinent information (weather conditions, etc.):

73° overcast

PROPERTY COMMENTS:

Long Deposits of silt on Parcel  
Empty Parcel

Grid for property sketch



(b) (6)

STATION ID: CV0201

SAMPLE ID: CV0201A-CS-SP

SAMPLE COLLECTION TIME: 0810

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Empty ParcelCollection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0201A-CS-SP

GPS Coordinates:	Trimble <input checked="" type="checkbox"/>	Instrument #:	020168	Logged?	Y or N
Aliquot #1:	Latitude:	33.55449172	N Longitude	86.79724979	W
	Media description:	Dark Brown Sandy clay			
Aliquot #2:	Latitude:	33.55449327	N Longitude	86.79714138	W
	Media description:	Reddish Brown sandy clay			
Aliquot #3:	Latitude:	33.55456776	N Longitude	86.79718946	W
	Media description:	Dark Brown sandy clay + Silt			
Aliquot #4:	Latitude:	33.55461408	N Longitude	86.79724793	W
	Media description:	Same A1			
Aliquot #5:	Latitude:	33.55461522	N Longitude	86.79714252	W
	Media description:	Same A1			

STATION ID: CV0201

SAMPLE ID: CV0201B-CS-SP

SAMPLE COLLECTION TIME: 0820

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Empty ParcelCollection: Composite or GrabMS/MSD? Y or NField Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0201B-CS-SP

GPS Coordinates:	Trimble <input checked="" type="checkbox"/>	Instrument #:	020168	Logged?	Y or N
Aliquot #1:	Latitude:	33.55466295	N Longitude	86.79725086	W
	Media description:	Dark Brown sandy Clay			
Aliquot #2:	Latitude:	33.55466630	N Longitude	86.79713511	W
	Media description:	Dark Brown sandy clay			
Aliquot #3:	Latitude:	33.55473494	N Longitude	86.79719108	W
	Media description:	Same B2			
Aliquot #4:	Latitude:	33.55478577	N Longitude	86.79725256	W
	Media description:	Same B2			
Aliquot #5:	Latitude:	33.55478408	N Longitude	86.79714291	W
	Media description:	Same B1			

**(b) (6)**

ADDRESS:

PROPERTY ID: CV1333

DATE: 6/7/13

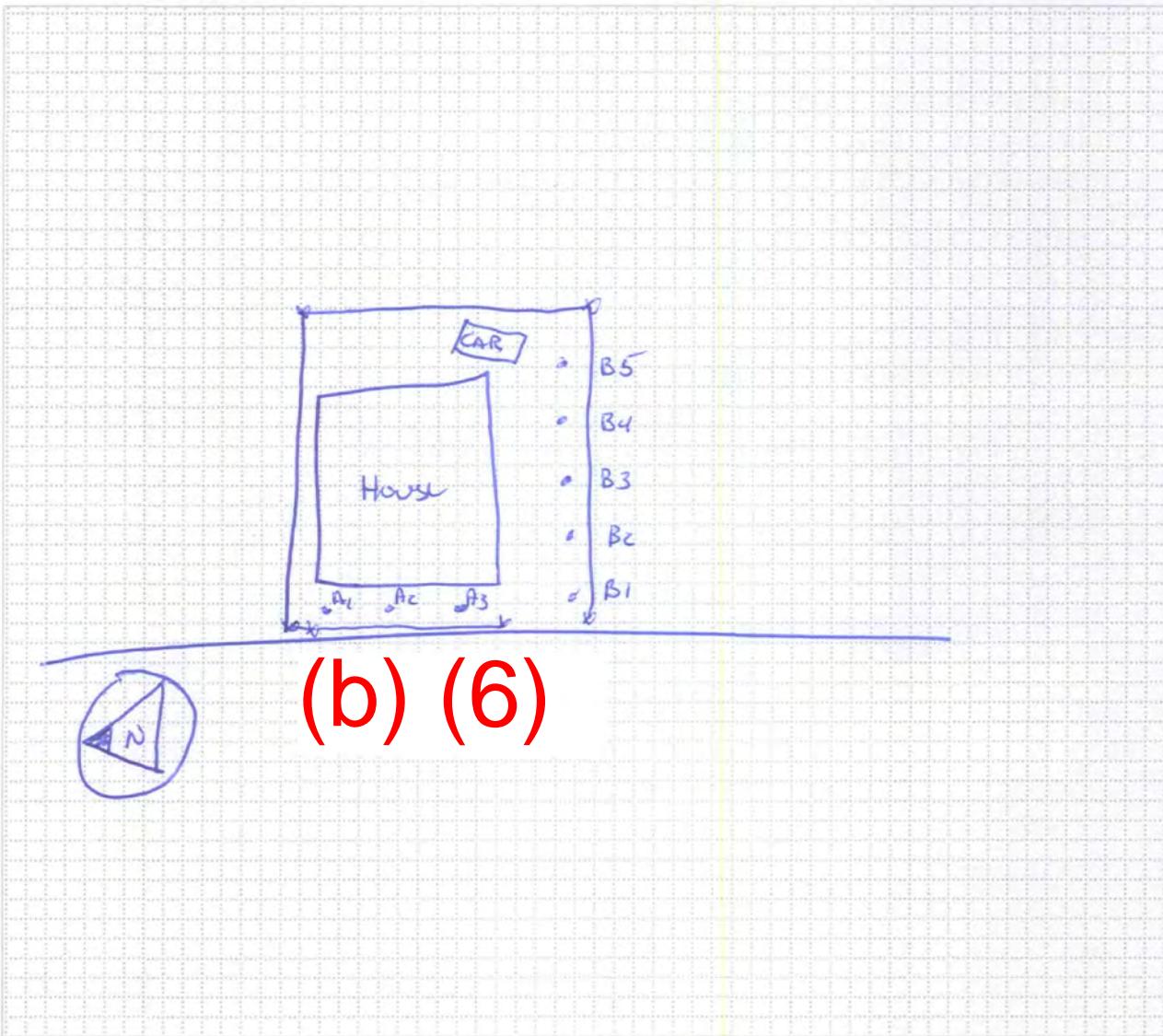
ARRIVAL TIME: 0830

Other pertinent information (weather conditions, etc.):

73°

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV1333SAMPLE ID: CV1333A-CS-SPSAMPLE COLLECTION TIME: 0835

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front YardCollection: Composite or GrabMS/MSD? Y or NField Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV1333A-CS-SP

GPS Coordinates:	Trimble <input checked="" type="checkbox"/> Instrument #:	<u>020168</u>	Logged?	Y or N
Aliquot #1:	Latitude:	<u>33.55162315</u>	N Longitude	<u>86.79902580</u> W
	Media description:	<u>medium Brown Silty Clay</u>		
Aliquot #2:	Latitude:	<u>33.55159457</u>	N Longitude	<u>86.79902560</u> W
	Media description:	<u>Same A1</u>		
Aliquot #3:	Latitude:	<u>33.55156359</u>	N Longitude	<u>86.79902339</u> W
	Media description:	<u>Same A1</u>		
Aliquot #4:	Latitude:		N Longitude	W
	Media description:			
Aliquot #5:	Latitude:		N Longitude	<u>DR</u> W
	Media description:	<u>6/6/13</u>		

STATION ID: CV1333SAMPLE ID: CV1333B-CS-SPSAMPLE COLLECTION TIME: 0945

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Side yardCollection: Composite or GrabMS/MSD? Y or N

GPS Coordinates:	Trimble <input checked="" type="checkbox"/> Instrument #:	<u>020168</u>	Logged?	Y or N
Aliquot #1:	Latitude:	<u>33.55148926</u>	N Longitude	<u>86.79902727</u> W
	Media description:	<u>medium Brown Sandy Clay</u>		
Aliquot #2:	Latitude:	<u>33.55148030</u>	N Longitude	<u>86.79899549</u> W
	Media description:	<u>Same B</u>		
Aliquot #3:	Latitude:	<u>33.55148678</u>	N Longitude	<u>86.79894066</u> W
	Media description:	<u>Redish Brown Sandy clay</u>		
Aliquot #4:	Latitude:	<u>33.55149049</u>	N Longitude	<u>86.79899497</u> W
	Media description:	<u>Redish Brown Sandy clay</u>		
Aliquot #5:	Latitude:	<u>33.55148614</u>	N Longitude	<u>86.79882949</u> W
	Media description:	<u>Dark Brown Sandy Clay</u>		

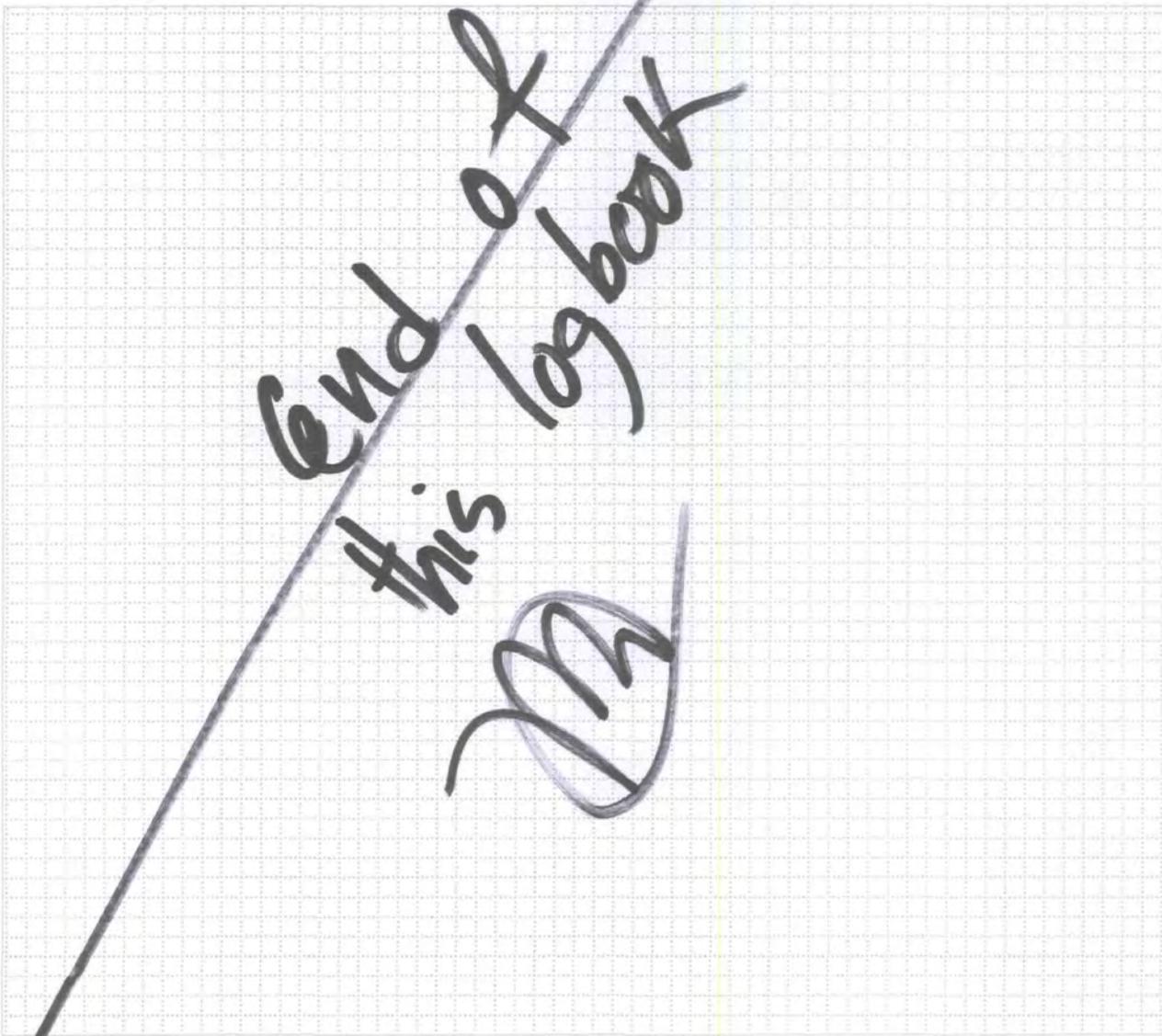
ADDRESS: \_\_\_\_\_ PROPERTY ID: \_\_\_\_\_

DATE: \_\_\_\_\_ ARRIVAL TIME: \_\_\_\_\_

Other pertinent information (weather conditions, etc.):  
\_\_\_\_\_  
\_\_\_\_\_

PROPERTY COMMENTS:  
\_\_\_\_\_  
\_\_\_\_\_

Grid for property sketch



The remaining pages in this logbook are  
blank and have not been scanned.